

INTERNATIONAL MARITIME ORGANIZATION

MARITIME KNOWLEDGE CENTRE

“sharing maritime knowledge”

CURRENT AWARENESS BULLETIN

May 2016



Maritime Knowledge Centre
maritimeknowledgecentre@imo.org
INTERNATIONAL MARITIME ORGANIZATION
www.imo.org



About the MKC Current Awareness Bulletin (CAB)

The aim of the MKC Current Awareness Bulletin (CAB) is to provide a digest of news and publications focusing on subject areas related to the work of IMO. Each CAB issue presents headlines from the previous month. For copyright reasons, the *Current Awareness Bulletin* (CAB) contains excerpts only. Links to the complete articles or abstract on publishers' sites are included when available, though access may require payment or subscription.

The MKC *Current Awareness Bulletin* is published monthly and issues from the current and the past year are free to download from this [page](#).

[Email us](#) if you would like to receive email notification when the most recent Current Awareness Bulletin is available to be downloaded.

The *Current Awareness Bulletin* (CAB) is published by the Maritime Knowledge Centre and is not an official IMO publication. Inclusion does not imply any endorsement by IMO.

CONTENTS

| | |
|--|---|
| IMO / UNITED NATIONS NEWS & EVENTS | 2 |
|--|---|

INDUSTRY NEWS AND PUBLICATIONS

| | |
|-------------------------------------|----|
| CASUALTIES..... | 5 |
| ENVIRONMENT | 7 |
| ENVIRONMENTAL POLLUTION | 11 |
| HEALTH..... | 13 |
| HEALTH AND SAFETY | 14 |
| IMO | 14 |
| LAW AND POLICY | 15 |
| MARINE TECHNOLOGY..... | 21 |
| MARITIME SAFETY | 22 |
| MARITIME SECURITY | 24 |
| MARITIME TRAINING | 26 |
| MIGRANTS | 27 |
| NAVIGATION AND COMMUNICATIONS | 31 |
| PIRACY..... | 32 |
| PORT STATE CONTROL..... | 33 |
| PORTS AND HARBOURS | 33 |
| RECYCLING OF SHIPS | 35 |
| REGULATIONS | 35 |
| SEAFARERS | 38 |
| SEARCH AND RESCUE | 40 |
| SHIPBUILDING AND SHIPREPAIR | 41 |
| SHIPPING..... | 41 |
| RESEARCH..... | 47 |

IMO / UNITED NATIONS NEWS & EVENTS

WHAT'S NEW

Advice regarding verification of gross mass of packed containers

Briefing: 14, May 23, 2016

An MSC circular on Advice to Administrations, port State control authorities, companies, port terminals and masters regarding the SOLAS requirements for [verified gross mass](#) of packed containers has been agreed by the Maritime Safety Committee (MSC) of the International Maritime Organization (IMO), following discussion on the pending entry into force of the requirements in SOLAS regulations VI/2.4 to VI/2.6 on the verification of the gross mass of packed containers on 1 July 2016.

Concerns were noted with regards to the application of the requirements to a container which was loaded before 1 July 2016 and then transhipped. The Committee, meeting for its 96th session (11-20 May), also noted delegations' comments that, in the first few months after 1 July 2016, some leeway should be provided in order for any problems resulting from software updates, required for the electronic collection and transmittal of verified gross mass data, to be rectified without causing delays to containers being loaded.

In this context, the MSC agreed that while there should be no delay in the implementation of the SOLAS requirements, it would be beneficial if Administrations and port State control authorities could take a "practical and pragmatic approach" when enforcing them, for a period of three months immediately following 1 July 2016. This would help ensure that containers that are loaded before 1 July 2016, but transhipped on or after 1 July 2016, reach their final port of discharge without a verified gross mass and it would provide flexibility, for three months immediately after 1 July 2016, to all the stakeholders in containerized transport to refine, if necessary, procedures (e.g. updated software) for documenting, communicating and sharing electronic verified gross mass data.

Notwithstanding the above, the MSC emphasized that the stability and safe operation of ships, including the safe packing, handling and transport of containers, is not limited to the provision and use of VGM information and is also covered by a number of SOLAS regulations, including SOLAS regulations VI/2.1, VI/2.2 and VI/2.3, and other IMO instruments, amongst others.

MSC.1/Circ.1548 can be downloaded [here](#).

IMO MEETINGS FOR 2016

[Maritime Safety Committee \(MSC\) meeting summary](#)
96th session, 11 – 20 May 2016

[Goal-based verification heralds new era for ship construction rules](#)
Briefing: 13, May 13, 2016

IMO PRESS BRIEFINGS

[GloMEEP energy efficiency project forges ahead with global train-the-trainer workshop](#)
Briefing: 15, May 27, 2016

[Security Council statement highlights IMO capacity-building work in Gulf of Guinea](#)
Briefing: 12, May 3, 2016

IMO NEWS MAGAZINE (Issue 1, 2016)

IMO PUBLISHING [Just Published: 2016](#) [March 2016 Newsletter](#)

RECENT SPEECHES BY IMO SECRETARY-GENERAL KITACK LIM

[Maritime Safety Committee \(MSC\)](#)
96th session, 11 – 20 May 2016 (Opening Address)

UNITED NATIONS NEWS

At climate summit in Washington, UN officials call to take action 'to the next level'.

UN News Centre [Online]. 5 May 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=53862> Recalling that just two weeks ago, 175 countries came to the United Nations to sign the historic Paris Agreement on climate change, Secretary-General Ban Ki-moon today said it is time to take climate action to the next level.

'Small islands have big ideas,' Ban tells Seychelles, citing leadership on environment, climate action.

UN News Centre [Online]. 7 May 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=53883> The problems facing our planet – climate change, poverty and insecurity – will only be solved through a global, multilateral response, United Nations Secretary-General Ban Ki-moon said today as he began an official visit to the Seychelles, a small island nation with "big ideas," having shown leadership on climate action, environmental protection and the fight against maritime crime.

Secretary-General visits UNODC-built courtroom in Seychelles.

United Nations Office on Drugs and Crime (UNODC) [Online]. 11 May 2016. Available from:

<http://www.unodc.org/unodc/en/frontpage/2016/May/secretary-general-visits-unodc-built-courtroom-in-seychelles.html> During a two-day mission to the Seychelles, Secretary-General Ban Ki-moon visited the Supreme Court Annex - an infrastructure project constructed by UNODC under the Office's Global Maritime Crime Programme (GMCP) which aims to carry out maritime piracy trials in the East Africa archipelago.

UN Environment Assembly opens in Nairobi aiming to ensure 'healthy planet, with healthy people'.

UN News Centre [Online]. 23 May 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsId=54014> Hundreds of key global decision-makers are gathering in Kenya today for the second United Nations Environment Assembly (UNEA-2), aiming to tackle some of the most critical issues facing our planet, from the air pollution that kills millions of people every year to an illegal trade in wildlife that is pushing species to the brink of extinction.

CASUALTIES

Grounded Boxship Suspends Northbound Convoys in Suez Canal. *World Maritime News* [Online]. 29 April 2016. Available from: <http://worldmaritimeneews.com/archives/190413/grounded-boxship-suspends-northbound-convoys-in-suez-canal/> Northbound convoys in the Suez Canal have been suspended following grounding of a 153,514 DWT containership on April 28, according to GAC Egypt.

Seafarer dies falling from ladder. By Sam Chambers. *Splash 24/7* [Online]. 29 April 2016. Available from: <http://splash247.com/seafarer-dies-falling-from-ladder/> The chief officer of a tanker died yesterday when he fell into the sea while descending a ladder.

Fire rages at Port Said as 13,100 teu boxship rams crane. By Sam Chambers. *Splash 24/7* [Online]. 3 May 2016. Available from: <http://splash247.com/fire-rages-at-port-said-as-13100-teu-boxship-rams-crane/> A spectacular fire raged last night at Port Said after the 13,100 teu Cosco *Hope* hit a gantry crane as it tried to exit the Egyptian port.

MAIB investigation report 9/2016: *Pacific Dawn*: Drowning in a swimming pool on the passenger cruise ship *Pacific Dawn* with loss of 1 life, 9 November 2015. *UK Marine Accident Investigation Branch (MAIB)* [Online]. 5 May 2016. Available from: <https://www.gov.uk/maib-reports/drowning-in-a-swimming-pool-on-the-passenger-cruise-ship-pacific-dawn-with-loss-of-1-life> This reports the MAIB's investigation of the drowning of a male passenger on the cruise ship *Pacific Dawn* while on passage in the Coral Sea, South Pacific Ocean, on 9 November 2015.

Crewless Ship Washes Ashore in Liberia. *World Maritime News* [Online]. 5 May 2016. Available from: <http://worldmaritimeneews.com/archives/190856/crewless-ship-washes-ashore-in-liberia/> A product tanker identified as *Tamaya 1* has beached ashore near Robertsport, northern Liberia coast, Liberia Maritime Authority confirmed to World Maritime News.

1 dead in collision between oil tanker, fishing boat. *Yonhap News Agency (South Korea)* [Online]. 6 May 2016. Available from: <http://english.yonhapnews.co.kr/national/2016/05/06/7/0302000000AEN20160506003900320F.html> A large-size oil tanker collided with a fishing boat in waters off the southern region of South Korea, leaving one person dead, the Coast Guard said Friday.

Two container ships collide off coast of China. *South China Morning Post* [Online]. 9 May 2016. Available from: <http://www.scmp.com/news/china/society/article/1942623/two-container-ships-collide-coast-china> Two European-owned container ships have collided in the East China Sea and one severely damaged vessel has been abandoned by its crew after a fire broke out on board, the Denmark-based Maersk Line said on Monday.

Carnival cruise ship crashes into gangway at Baltimore port, causing it to collapse on three vehicles. By Carrie Wells. *Baltimore Sun (USA)* [Online]. 9 May 2016. Available from: <http://www.baltimoresun.com/news/maryland/baltimore-city/bs-md-cruise-ship-crash-20160508-story.html> 🗞️ The *Carnival Pride* cruise ship struck a gangway as the ship was docking in Baltimore on Sunday morning, sending the gangway crashing down on three parked vehicles.

Maersk Line crew forced to abandon fire-hit ship. By Dale Wainwright. *TradeWinds* [Online]. 8 May 2016. Available from: <http://www.tradewindsnews.com/casualties/502145/maersk-line-crew-forced-to-abandon-fire-hit-ship> The 4,650-teu *Safmarine Meru* (built 2006) collided with the 8,411-teu *Northern Jasper* (built 2009) around 120 nautical miles East of Ningbo.

Fire Consumes Wooden Cruise Ship on Halong Bay. *Maritime Executive* [Online]. 6 May 2016. Available from: <http://www.maritime-executive.com/article/fire-consumes-wooden-cruise-ship-on-halong-bay> A wooden cruise ship in Halong Bay with 36 foreign tourists aboard caught fire and sank on Friday.

Update: Fire-Stricken *Safmarine Meru* Towed to Ningbo. *World Maritime News* [Online]. 13 May 2016. Available from: <http://worldmaritimeneews.com/archives/191701/update-fire-stricken-safmarine-meru-towed-to-ningbo/> The *Safmarine Meru* containership, which was hit by a fire over the weekend, has arrived alongside at the Meishan container terminal in the Port of Ningbo, China on May 13 at 11.10 hours CET, according to the vessel's owner Maersk Line.

Capesize sinks after breaking in two. By Gary Dixon. *TradeWinds* [Online]. 16 May 2016. Available from: <http://www.tradewindsnews.com/casualties/753391/capesize-sinks-after-breaking-in-two> The L'Express de Madagascar daily reported that the 161,000-dwt *New Mykonos* (built 1997) broke in two last month and became almost totally submerged last week, with just its wheelhouse and smokestack visible above the water.

Passengers told to expect 'hard landing' before crash drama at Hythe Pier. By Emily Ford. *Southern Daily Echo (UK)* [Online]. 16 May 2016. Available from: http://www.dailyecho.co.uk/news/14494347.Passengers_told_to_expect_hard_landing_before_pier_crash_drama/ Passengers on board a ferry at the centre of a dramatic late night crash into a pier have told how they were warned to expect a "hard landing" as they boarded the boat.

U.S. Coast Guard resumes probe into *El Faro* ship sinking. By Letitia Stein. *Reuters* [Online]. 16 May 2016. Available from: <http://www.reuters.com/article/us-ship-elfaro-idUSKCN0Y715L> U.S. Coast Guard investigators are resuming their probe of the deadly sinking of a cargo ship during a hurricane last fall, with two weeks of hearings to examine ship operations, weather forecasts and regulatory oversight getting under way on Monday.

One dead, dozen missing as boat capsizes in Bengal. *Times of India* [Online]. 15 May 2016. Available from: <http://timesofindia.indiatimes.com/city/kolkata/One-dead-dozen-missing-as-boat-capsizes-in-Bengal-Roundup/articleshow/52282692.cms> At least 12 people were missing as an overloaded boat capsized in the Hooghly river in West Bengal's Burdwan district, officials said on Sunday.

Hot property – containership fires and what is in the box. By Michael Grey. *Seatrade Maritime News* [Online]. 17 May 2016. Available from: <http://www.seatrade-maritime.com/news/americas/hot-property-%E2%80%93-containership-fires-and-what-is-in-the-box.html> I have just been reading an account of a fire on board ship, where the crew, after extraordinary efforts, managed to save their vessel and bring her into port.

U.S. captain of doomed *El Faro* aimed to avoid storm: testimony. By Letitia Stein. *Reuters* [Online]. 16 May 2016. Available from: <http://www.reuters.com/article/us-ship-elfaro-idUSKCN0Y715L> U.S. Coast Guard investigators on Monday resumed a probe of last year's deadly sinking of the *El Faro* off the Bahamas, beginning two weeks of hearings to examine the cargo ship's operations, weather forecasts and regulatory oversight.

Nigerian claims abandoned *Tamaya 1*. By Gary Dixon. *TradeWinds* [Online]. 18 May 2016. Available from: <http://www.tradewindsnews.com/casualties/753507/nigerian-claims-abandoned-tamaya-1> A Nigerian national has claimed ownership of the abandoned tanker that washed up on a Liberian beach earlier this month.

El Faro Received Out-of-Date Storm Track Data. *Maritime Executive* [Online]. 18 May 2016. Available from: <http://www.maritime-executive.com/article/el-faro-received-out-of-date-storm-track-data> On Wednesday, the U.S. Coast Guard Marine Board of Investigation continued its hearings into the loss of the *El Faro* with testimony from Jerry Hale and Rich Brown of Applied Weather Technology (AWT), the firm which provided the vessel's subscription weather products, and from Jim Wagstaff, vice president of operations for TOTE Maritime Puerto Rico.

Master critical of TOTE safety response. By Eric Martin. *TradeWinds* [Online]. 18 May 2016. Available from: <http://www.tradewindsnews.com/casualties/753779/master-critical-of-tote-safety-response> A former master of a TOTE Maritime vessel says he was "disappointed" with the company's response to a safety concern.

Product Tanker Aground off Uruguay. *Maritime Executive* [Online]. 18 May 2016. Available from: <http://www.maritime-executive.com/article/product-tanker-aground-off-uruguay> A product tanker loaded with vegetable oil has gone aground off Isla de Lobos, near Punta del Este, Uruguay.

El Faro's final inspection found everything was in order. By Donal Scully. *Splash 24/7* [Online]. 20 May 2016. Available from: <http://splash247.com/el-faros-final-inspection-found-everything-was-in-order/> Everything seemed to be in order with the *El Faro* and its equipment when it underwent its final inspection, a US Coast Guard (USCG) investigating panel was told on Thursday, the fourth day of this second round of hearings into the fatal sinking of the ship.

NTSB Investigator Lambasts El Faro's Management. *Maritime Executive* [Online]. 26 May 2016. Available from: <http://maritime-executive.com/article/ntsb-investigator-lambasts-el-faros-management> On Thursday, the U.S. Coast Guard Marine Board of Investigation into the loss of the con/ro *El Faro* continued with testimony from TOTE Inc. Executive Vice President Peter Keller - and with a dramatic exchange between Keller and National Transportation Safety Board (NTSB) lead investigator Tom Roth-Roffy.

ENVIRONMENT

Navy to plant one million mangroves to protect marine life. By Amanullah Khan. *Pakistan Observer* [Online]. May 2016. Available from: <http://pakobserver.net/2016/04/30/navy-to-plant-one-million-mangroves-to-protect-marine-life/> Admiral Zakauallah, Chief of Naval Staff has disclosed that the length of Pakistan's coastal line was re-measured at 1003 km in collaboration with SUPARCO.

MEPC 69's mixed signals on climate change. *Tanker Operator* [Online]. 29 April 2016. Available from: <http://www.tankeroperator.com/news/mepc-69s-mixed-signals-on-climate-change/7588.aspx> Despite some progress, a lack of a definitive outcome puts significant pressure on MEPC 70 in October, 2016 and increases the threat of reduction targets being taken out of the shipping industry's hands.


Carbon emissions all at sea: why was shipping left out of the Paris Climate Agreement? By Shayne MacLachlan, OECD Environment Directorate. *OECD Insights* [Online]. 4 May 2016. Available from: <http://goo.gl/WLRNXV> Newcastle, Australia has the dubious honour of being the world's largest port for coal exports.

Did shipping just fail the climate test? By Olaf Merk. *Shipping Today* [Online]. 24 April 2016. Available from: <http://shippingtoday.eu/shipping-climate-change/> Shipping did not figure in the historical Paris agreement on climate change finalised in December last year.

Air power; more than just a wind up. *Royal Institution of Naval Architects (RINA)* [Online]. May 2016. Available from: http://www.rina.org.uk/NA_May_two.html Just a few short months ago in Paris the world united behind the clear goal to ensure that global increase in temperatures does not exceed 2°C.

UN report finds progress on global climate efforts. By Ed King. *Climate Home* [Online]. 4 May 2016. Available from: <http://www.climatechangenews.com/2016/05/04/un-report-finds-progress-on-global-climate-efforts/> Growth of greenhouse gas emissions will slow "substantially" by 2030 as a result of a range of new policies, laws and promises by governments, says a new UN report.


AMSA and Tangaroa Blue working together for clean seas.

Australian Maritime Safety Authority (AMSA) [Online]. 6 May 2016. Available from: https://www.amsa.gov.au/media/documents/06052016_Media_Release_Tangaroa_Blue.pdf  AMSA is the national maritime agency whose responsibilities include protecting the marine environment from shipping related impacts and is committed to maintaining a safe and clean marine environment.


Study says five Solomon Islands have disappeared underwater. *France 24* [Online]. 8 May 2016. Available from: <http://www.france24.com/en/20160507-study-says-five-solomon-islands-have-disappeared-underwater> Five islands have disappeared in the Pacific's Solomon Islands due to rising sea levels and coastal erosion, according to an Australian study that scientists said Saturday could provide valuable insights for future research.

Great Barrier Reef: tourism operators urge Australian government to tackle climate change. By Michael Slezak. *The Guardian* [Online]. 6 May 2016. Available from: <http://www.theguardian.com/environment/2016/may/07/great-barrier-reef-tourism-operators-urge-australian-government-to-tackle-climate-change> Tourism operators have broken their silence about the worst crisis ever faced by the Great Barrier Reef, with more than 170 businesses and individuals pleading with the Australian government to take urgent action to tackle climate change and ensure the reef survives.

Tied for Last Place: UN Shipping and Aviation Agencies Dragging Down Global Ambition on Climate Change. By Bill Hemmings, *Aviation and Shipping Manager, Transport & Environment.* *Huffington Post* [Online]. 10 May 2016. Available from: http://www.huffingtonpost.com/bill-hemmings/un-aviation-shipping-climate-change_b_9891794.html?1462909043 When 175 countries gathered at the UN in New York on Earth Day to sign the landmark Paris Agreement on Climate Change — and set the record for most signatures collected on a major UN accord in a single day — representatives from the world's shipping and aviation sectors were noticeably absent.

Big Oil Abandons \$2.5 Billion in U.S. Arctic Drilling Rights. By Jennifer A Dlouhy. *Bloomberg* [Online]. 10 May 2016. Available from: <http://www.bloomberg.com/news/articles/2016-05-10/big-oil-abandons-2-5-billion-in-u-s-arctic-drilling-rights>  After plunking down more than \$2.5 billion for drilling rights in U.S. Arctic waters, Royal Dutch Shell Plc, ConocoPhillips and other companies have quietly relinquished claims they once hoped would net the next big oil discovery.

State of Sustainability Initiatives Review: Standards and the Blue Economy.

International Institute for Sustainable Development (IISD) [Online]. May 2016. Available from: <http://www.iisd.org/ssi/standards-and-the-blue-economy/> The SSI Review: Standards and the Blue Economy takes a deep dive into the market and performance trends of the 9 most prevalent seafood certification schemes operating in the wild catch and aquaculture sectors. [Full Report](#) 

Blue growth initiatives to be prominently featured in Grenada 2030 development plan.

Daily Observer (Antigua) [Online]. 16 May 2016. Available from:

<http://antiguaobserver.com/blue-growth-initiatives-to-be-prominently-featured-in-grenada-2030-development-plan/>

Agriculture and Fisheries Minister Roland Bhola said the blue growth initiatives will be prominently featured in the 20/30 National Development Plan, which is a long-term plan of action to achieve government's development goals.

Fish and ships: artificial lily pads and mussels monitor Europe's waters. By Fintan Burke.

HORIZON - the EU Research & Innovation Magazine [Online]. 16 May 2016. Available from:

http://horizon-magazine.eu/article/fish-and-ships-artificial-lily-pads-and-mussels-monitor-europe-s-waters_en.html

To improve the monitoring of these waters, researchers are recreating the ecology and unique senses of marine life.

Coal shipping threat to Great Barrier Reef. James Cook University (Australia) [Online].

16 May 2016. Available from: <https://www.jcu.edu.au/news/releases/2016/may/test>

Australian researchers have raised fresh concerns that a major shipping disaster could harm the Great Barrier Reef, with new research revealing coal dust in seawater can kill corals and slow down the growth rate of seagrasses and fish.

Negotiators Try to Figure Out What the Paris Climate Agreement Means. By Jean

Chemnick and ClimateWire. *Scientific American* [Online]. 17 May 2016. Available from:

<http://www.scientificamerican.com/article/negotiators-try-to-figure-out-what-the-paris-climate-agreement-means/>

Climate negotiators from around the world met yesterday for the first time since brokering the Paris climate deal to start filling in some of the gaps left in that landmark agreement.

Trade, transport, tourism and oceans. United Nations Conference on Trade and Development (UNCTAD) [Online]. 17 May 2016. Available from:

<http://unctad.org/en/pages/newsdetails.aspx?OriginalVersionID=1252> Oceans and seas play a major role in helping achieve sustainable development, economic growth and improved livelihoods.

Experts Say Shipping, Aviation Emissions Must Peak Soon to Achieve Paris Goals.

United Nations Framework Convention on Climate Change (UNFCCC) [Online]. 18 May 2016.

Available from: <http://newsroom.unfccc.int/unfccc-newsroom/shipping-aviation-and-paris/>

International shipping and aviation will have to cap their greenhouse gas emissions (GHG) soon for the world to meet the ambitious goals laid down in the Paris Climate Change Agreement, participants at a side event at the Bonn climate change conference heard today.

Small islands lead charge on Paris Agreement approval. By Ed King. *Climate Home*

[Online]. 17 May 2016. Available from: <http://www.climatechangenews.com/2016/05/17/small-islands-lead-charge-on-paris-agreement-approval/>

From outer space they are tiny and isolated dots on the oceans, green and brown pinpricks on a vast canvas of blue.

After Paris, A Move to Rein In Emissions by Ships and Planes. By Fred Pearce.

Yale Environment 360 [Online]. 19 May 2016. Available from:

http://e360.yale.edu/feature/reduce_co2_emissions_shipping_aviation_regulation_paris/2995/

In the global effort to reduce carbon emissions, the aviation and shipping industries have been the most conspicuous outliers.

Can the shipping industry cut its own emissions? By Chris Cottrell. *Deutsche Welle (DW)*

(Germany) [Online]. 19 May 2016. Available from: <http://www.dw.com/en/can-the-shipping-industry-cut-its-own-emissions/a-19269486>

Though the shipping sector accounts for 3 percent of global CO2 emissions, the Paris climate deal left it untouched.

UNESCAP adopts historic Bangladesh Resolution on conservation and sustainable use of the oceans, seas and marine resources for sustainable development in Asia and the Pacific. *Government of the People's Republic of Bangladesh* [Online]. 22 May 2016.

Available from: <http://www.mofa.gov.bd/media/unescap-adopts-historic-bangladesh-resolution-conservation-and-sustainable-use-oceans-seas-and> Heads of Government and other high-level officials from around Asia and the Pacific region unanimously adopted a resolution on oceans economy sponsored by Bangladesh, at the end of the five-day 72nd session of the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP) in Bangkok on 19 May 2016.

On International Day, UN highlights biodiversity's role in underpinning development.

UN News Centre [Online]. 22 May 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=54008> Biodiversity and the ecosystem services it supports are the foundations for life on Earth and the livelihoods and well-being of people everywhere, United Nations Secretary-General Ban Ki-moon said today on the International Day for Biological Diversity, as he urged the international community to preserve and sustainably manage the variety of life on the planet.

Marine stowaways wreak havoc. By Pearl Liu and Bonnie Wang. *China Daily.Com* [Online].

20 May 2016. Available from: http://www.chinadailyasia.com/asiaweekly/2016-05/20/content_15436445.html "Ballast water is a huge, huge problem," said Simon Walmsley, marine manager at World Wide Fund for Nature (WWF) International.

Edible Six-Pack Rings to Help Protect Marine Animals. *Maritime Executive* [Online].

20 May 2016. Available from: <http://maritime-executive.com/article/edible-six-pack-rings-to-help-protect-marine-animals> We Believers, an ad based out of New York, together with Saltwater Brewery, a craft beer brand in Florida, decided to tackle the issue of ocean plastic head on and make a statement for the whole beer industry to follow.

Without Action on Emissions, IMO Risks a Shift in Public Opinion That Could Spur Development of Patchwork Regional Rules: ITF Attendees. *Ship & Bunker* [Online].

24 May 2016. Available from: <http://shipandbunker.com/news/world/322004-without-action-on-emissions-imo-risks-a-shift-in-public-opinion-that-could-spur-development-of-patchwork-regional-rules-itf-attendees> Attendees of the International Transport Forum (ITF) Summit 2016, which was held in Leipzig, Germany from May 18 to 20, expressed concern that if the International Maritime Organization (IMO) does not take action to regulate emissions from international shipping soon, then shipping companies are at risk of becoming the subject of negative public opinion, German media reports.

ClassNK releases latest Guideline for Noise Code. *ClassNK* [Online]. 23 May 2016.


Available from:

https://www.classnk.or.jp/hp/en/hp_news.aspx?id=1946&type=press_release&layout=1 Leading classification society ClassNK has released its Guideline for the Mandatory Code on Noise Levels on Board Ships (Second Edition).

Coral reefs face bleak future - but "lifeboats" may help them survive.

United Nations Environment Programme (UNEP) [Online]. 24 May 2016. Available from:

<http://www.unep.org/newscentre/Default.aspx?DocumentID=27074&ArticleID=36190&l=en>


There has been unprecedented coral bleaching on the northern and central Great Barrier Reef, one of the world's most iconic reefs and a world heritage site. [Report](#) 

Carbon warriors. By Paul Berrill. *TradeWinds* [Online]. 26 May 2016. Available from: <http://www.tradewindsnews.com/incoming/756469/carbon-warriors> When Virgin Group boss Sir Richard Branson brought together a bunch of environmentally aware entrepreneurs in a profit-oriented group to reduce carbon emissions, he grasped a name with Churchillian overtones.

'Old habits die hard,' UN deputy chief tells Environment Assembly, urging action towards sustainability. *UN News Centre* [Online]. 26 May 2016. Available from: <http://www.un.org/apps/news/story.asp?NewsId=54062> United Nations Deputy Secretary-General Jan Eliasson stressed today the need for Member States to redouble efforts at prevention – whether to combat climate change, build resilience or address potential conflict flashpoints before they reach a tipping point.

ENVIRONMENTAL POLLUTION


Coast Guard completes review of refugio oil spill cleanup operations.

US Coast Guard Newsroom [Online]. 3 May 2016. Available from: <http://www.uscgnews.com/go/doc/4007/2815998/> The 47-page report includes an overall review of response and cleanup operations, a summary of unique challenges faced by communities and oil spill responders, creative and successful cleanup and monitoring procedures, and lessons learned in the months-long response. [Federal On-Scene Coordinator's After Action Report](#) 

Shell to Maersk Count on Qatar to Provide Cleaner Fuels at Sea. By Mohammed Sergie and Claudia Carpenter. *Bloomberg* [Online]. 5 May 2016. Available from: <http://www.bloomberg.com/news/articles/2016-05-04/shell-to-maersk-count-on-qatar-to-provide-cleaner-fuels-at-sea> Shippers from A.P. Moeller-Maersk A/S to United Arab Shipping Co. are testing liquefied natural gas to power their vessels, curb pollution and create a new market for the cleaner-burning fuel.

Rena to be made an example of. By Jamie Morton. *New Zealand Herald* [Online]. 7 May 2016. Available from: http://m.nzherald.co.nz/nz/news/article.cfm?c_id=1&objectid=11634913 Lessons of the *Rena* disaster will be passed on to the world with a new training programme on how to deal with wildlife hit by an oil spill.

Genetic Potential of Oil-Eating Bacteria from the BP Oil Spill Decoded. *University of Texas* [Online]. 9 May 2016. Available from: <http://news.utexas.edu/2016/05/09/potential-of-oil-eating-bacteria-from-bp-oil-spill-decoded> Microbiologists at The University of Texas at Austin and their colleagues have cracked the genetic code of how bacteria broke down oil to help clean up the *Deepwater Horizon* oil spill.

What is an oil spill trajectory? *US National Oceanic and Atmospheric Administration (NOAA)* [Online]. 10 May 2016. Available from: <http://oceanservice.noaa.gov/facts/oil-spill-trajectory.html>  During the threat of an oil spill, responders need to know where that spilled oil will go in order to protect shorelines with containment boom, stage cleanup equipment, or close areas for fishing and boating.

Coast Guard: Shell leaks 88,000 gallons of oil into Gulf of Mexico. *CBS News (USA)* [Online]. 12 May 2016. Available from: <http://www.cbsnews.com/news/coast-guard-shell-leaks-88000-gallons-of-oil-into-gulf-of-mexico/> About 88,200 gallons of oil have leaked from a Shell flow line into the Gulf of Mexico about 90 miles off the coast of Louisiana, the U.S. Coast Guard said.

"Significant Pollution" Results from Black Sea Fuel Oil Spill: Reports. *Ship & Bunker* [Online]. 16 May 2016. Available from: <http://shipandbunker.com/news/emea/585632-significant-pollution-results-from-black-sea-fuel-oil-spill-reports> An unknown quantity of fuel oil has been spilled at the Black Sea port of Sevastopol on the Crimean Peninsula, according to local media reports.

Update 3: Coast Guard, Shell continue response to offshore spill.

US Coast Guard Newsroom [Online]. 15 May 2016. Available from: <http://www.uscgnews.com/go/doc/4007/2821702/> The Coast Guard and Shell continue joint efforts to respond to a discharge of oil from a segment of flow line at the Glider Field located approximately 90 miles south of Timbalier Island, Louisiana, that occurred at approximately 11 a.m., Thursday.

BSEE Continues Oversight of Source Control Work in Gulf of Mexico Release of Oil.

US Bureau of Safety and Environmental Enforcement (BSEE) [Online]. 13 May 2016. Available from: <http://www.bsee.gov/BSEE-Newsroom/BSEE-News-Briefs/2016/BSEE-Continues-Oversight-of-Source-Control-Work-in-Gulf-of-Mexico-Release-of-Oil/> The Bureau of Safety and Environmental Enforcement (BSEE) continues its oversight of the source control efforts for the oil release in the Gulf of Mexico, approximately 97 miles south of Port Fourchon, LA.

Oil spill hits Hong Kong waters after tanker and cargo vessel collide, closing four beaches. By Clifford Lo. *South China Morning Post* [Online]. 13 May 2016. Available from: <http://goo.gl/FDTdcd> An oil spill was reported in Hong Kong waters after a collision between an oil tanker and a mainland-registered cargo vessel off Tsing Yi in the early hours Friday.

Low-Sulphur Non-Compliance Jumps from 1% to 5%, and 8.5% in North Sea.

By Justin States, Editor, *Maritimewatch.eu*. *Ship & Bunker* [Online]. 18 May 2016. Available from: <http://shipandbunker.com/news/emea/156465-low-sulphur-non-compliance-jumps-from-1-to-5-and-85-in-north-sea> Non-compliance with European Union legislation on low-sulphur fuel is running at 5% in the sulphur emissions control area (SECA) and 8.5% in the North Sea, according to Brussels Environment Commissioner Karmenu Vella.

The Effects of the Santa Barbara Oil Spill, One Year Later. By Francie Diep.

Pacific Standard (USA) [Online]. 19 May 2016. Available from: https://psmag.com/the-effects-of-the-santa-barbara-oil-spill-one-year-later-9514e01e46bf#_oe6o9yru1 One year ago today, a pipeline carrying crude oil along the Southern California coastline ruptured, unleashing up to 143,000 gallons of oil into the ocean.

The world's largest cruise ship and its supersized pollution problem. By John Vidal.

The Guardian [Online]. 21 May 2016. Available from: <http://www.theguardian.com/environment/2016/may/21/the-worlds-largest-cruise-ship-and-its-supersized-pollution-problem> When the gargantuan *Harmony of the Seas* slips out of Southampton docks on Sunday afternoon on its first commercial voyage, the 16-deck-high floating city will switch off its auxiliary engines, fire up its three giant diesels and head to the open sea.

Ship emissions choking the region. By Pearl Liu and Bonnie Wang. *China Daily.Com*

[Online]. 20 May 2016. Available from: http://www.chinadailyasia.com/asiaweekly/2016-05/20/content_15436449.html Ships burn fuel and emit pollutants in much the same way a car does.

Biodegradable plastic 'false solution' for ocean waste problem. By Adam Vaughan.

The Guardian [Online]. 23 May 2016. Available from:

<http://www.theguardian.com/environment/2016/may/23/biodegradable-plastic-false-solution-for-ocean-waste-problem> Biodegradable plastic water bottles and shopping bags are a false solution to the ubiquitous problem of litter in the oceans, the UN's top environmental scientist has warned.

Marine plastic debris and microplastics : Global lessons and research to inspire action and guide policy change. *United Nations Environment Programme (UNEP)* [Online].

May 2016. Available from:

<http://www.unep.org/about/sqb/Portals/50153/UNEA/Marine%20Plastic%20Debris%20and%20Microplastic%20Technical%20Report%20Advance%20Copy.pdf> Plastic debris, or litter, in the ocean is now ubiquitous. Society's adoption of plastics as a substitute for traditional materials has expanded almost exponentially since the 1950s, when large-scale plastic production began.

Perils Of Plastic: Marine Life, Livelihoods At Risk. By Petre Williams-Raynor. *The Gleaner (Jamaica)* [Online]. 25 May 2016. Available from:

<http://jamaica-gleaner.com/article/news/20160525/perils-plastic-marine-life-livelihoods-risk> AS World Oceans Day approaches, the United Nations Environment Programme/Caribbean Environment Programme (UNEP/CEP) is looking to once again draw the public's attention to the threat of plastics - including microplastics present in many personal care products and cosmetics - to marine life and livelihoods.

Is Britain ready for another *Torrey Canyon* oil disaster? By Keith Rossiter.

The Herald (UK) [Online]. 26 May 2016. Available from:

<http://www.plymouthherald.co.uk/xx/story-29324961-detail/story.html> Nearly 50 years ago the supertanker *Torrey Canyon* struck Pollard's Rock between Cornwall and the Isles of Scilly, creating what was then the world's worst oil spill.

HEALTH

Balmoral cruise ship: Hundreds on board come down with norovirus. *BBC News* [Online].

9 May 2016. Available from: <http://www.bbc.co.uk/news/world-us-canada-36245284>

The US Centers for Disease Control (CDC) said 252 of 919 passengers on board the *Balmoral* cruise ship had had the stomach virus since leaving the UK.

WHO calls on countries to prepare as Zika virus expected to spread in Europe in late spring and summer. *World Health Organization (WHO)* [Online]. 18 May 2016. Available from:

<http://goo.gl/KsVeRd> A new WHO report assesses the risk of a Zika virus disease outbreak occurring during late spring and summer in the European Region.

HEALTH AND SAFETY

Cruise ship carrying people sick with suspected norovirus arrives in Halifax. *Global News (Canada)* [Online]. 11 May 2016. Available from: <http://globalnews.ca/news/2694537/cruise-ship-carrying-people-sick-with-suspected-norovirus-arrives-in-halifax/> Dozens of passengers wandered off a British cruise ship in Halifax on Wednesday, weary from a virulent gastrointestinal illness that sickened hundreds of people on board and kept some in their cabins for days.

IMO

IMO progress on GHG emissions too slow to save many Pacific Island nations. By Marcus Hand. *Seatrade Maritime News* [Online]. 29 April 2016. Available from: <http://goo.gl/cjA9nl> The Pacific Islands have described progress on greenhouse gas (GHG) emissions at the IMO as "alarmingly slow" and too slow to save many island nations.

IMO Clinches Deal on Shipping Fuel Use Data, Though Emissions Target Remains Elusive. *International Centre for Trade and Sustainable Development (ICTSD)* [Online]. 28 April 2016. Available from: <http://www.ictsd.org/bridges-news/bridges/news/imo-clinches-deal-on-shipping-fuel-use-data-though-emissions-target> The International Maritime Organization (IMO) has agreed on a mandatory system to track fuel use from international shipping, following a meeting of its Marine Environment Protection Committee (MEPC).

Fiji Joins IMO Treaties. *Fiji Sun Online* [Online]. 18 May 2016. Available from: <http://fijisun.com.fj/2016/05/18/fiji-joins-imo-treaties/> Fiji has acceded to six International Maritime Organisation (IMO) treaties, including important conventions covering ballast water management and the control of harmful anti-fouling systems on ships.

Shipping Regulator Calls for Delay in Container-Weight Enforcement. By Loretta Chao. *Wall Street Journal* [Online]. 23 May 2016. Available from: <http://www.wsj.com/articles/shipping-regulator-calls-for-delay-in-container-weight-enforcement-1464026907> The top global shipping regulator, trying to quiet industry alarms over impending rules that exporters fear will trigger widespread backups at ports, is recommending a three-month grace period for enforcing the ship-safety rule.

IBIA update: Bunker tankers could benefit if local areas achieve exemption from ballast water management requirements. *International Bunker Industry Association (IBIA)* [Online]. 24 May 2016. Available from: <http://ibia.net/ibia-update-bunker-tankers-could-benefit-if-local-areas-achieve-exemption-from-ballast-water-management-requirements/> The International Maritime Organization (IMO) is deliberating whether to review the procedures for Parties to the Ballast Water Management (BWM) Convention to grant exemptions for vessels operating in a limited geographical area from the requirement to manage ballast water, if it can be demonstrated that they won't constitute a risk to spreading potentially invasive species.

Interview: Kitack Lim, Secretary-General, International Maritime Organization (IMO). *Gibraltar Shipping* [Online]. 17 May 2016. Available from: <http://www.gibraltar-shipping.com/key-interviews> The main objectives this year include the smooth implementation of the mandatory IMO Member State Audit Scheme; further efforts to address greenhouse gas emissions from international shipping; the next steps in the application of goal-based standards for construction of oil tankers and bulk carriers; continued work on passenger ship safety and the implementation of the Ballast Water Management Convention.

Current crisis 'bitter medicine' for shippers. *Hellenic Shipping News* [Online]. 26 May 2016. Available from: <http://www.hellenicshippingnews.com/current-crisis-bitter-medicine-for-shippers/> Lim Kitack, secretary-general of the United Nations International Maritime Organization (IMO), said the current debt crisis in the Korean shipbuilding and shipping industries will serve as a "bitter medicine" for the struggling companies, and he believes in the Korean spirit that will allow them to overcome.

LAW AND POLICY

ICS Strongly Criticises 'Prestige' Judgement by Spanish Supreme Court.

International Chamber of Shipping (ICS) [Online]. 29 April 2016. Available from: <http://www.ics-shipping.org/news/press-releases/2016/04/29/ics-strongly-criticises-prestige-judgement-by-spanish-supreme-court> At a meeting of the International Oil Pollution Compensation Funds (IOPCF) this week, the International Chamber of Shipping (ICS) has strongly criticised the judgement of the Spanish Supreme Court in the 'Prestige' Case.

Arbitral Tribunal Issues Order in Arbitration concerning the "Enrica Lexie" Incident.

Permanent Court of Arbitration [Online]. 3 May 2016. Available from: <https://pca-cpa.org/wp-content/uploads/sites/175/2016/05/PCA-Press-Release-20160503-1.pdf> On 29 April 2016, the Arbitral Tribunal in the arbitration concerning the "Enrica Lexie" incident (Italy v. India) adopted its Order in respect of a request by Italy for the prescription of provisional measures pursuant to Article 290, paragraph 1, of the United Nations Convention on the Law of the Sea ("UNCLOS").

Ticking boxes won't save you in a MARPOL dispute. By **Brookes Bell.** *Marine Professional / IMarEST* [Online]. 1 May 2016. Available from: <http://goo.gl/emq3q0> In this month's blog, Chris Dyson, who is a senior partner and marine engineer and Brookes Bell, reports about pollution discharge.

Tanker with disputed Libyan oil returns to North Africa country for unloading. *Gulf News* [Online]. 1 May 2016. Available from: <http://gulfnews.com/business/sectors/markets/tanker-with-disputed-libyan-oil-returns-to-north-africa-country-for-unloading-1.1816268> A tanker with oil from eastern Libya returned with its cargo to the North African country after the United Nations blacklisted the shipment, amid an escalating struggle between the nation's rival governments for control of its crude wealth.

Joint action to tackle West Africa human trafficking networks. *EUROPOL* [Online].

4 May 2016. Available from: <https://www.europol.europa.eu/content/joint-action-tackle-west-african-human-trafficking-networks-1> The third pan-European operation to combat the trafficking of human beings from West Africa was carried out by law enforcement authorities in sixteen European countries on the 28th of April and lasted until early morning of the following day.

Statement by Official Spokesperson on the order by the Arbitral Tribunal in the *Enrica Lexie* Incident. *Government of India* [Online]. 2 May 2016. Available from:

<http://goo.gl/Gbx1M6> As you are all aware, the Arbitral Tribunal in the arbitration concerning the *Enrica Lexie* incident gave its order today.

ICS Pushing for Balanced Update of York Antwerp Rules. *International Chamber of Shipping (ICS)* [Online]. 4 May 2016. Available from: <http://www.ics-shipping.org/news/press-releases/2016/05/04/ics-pushing-for-balanced-update-of-york-antwerp-rules>

At the Comité Maritime International (CMI) Conference, in New York this week, the International Chamber of Shipping (ICS) will be pressing to ensure that the proposed revision of the York Antwerp Rules of General Average delivers a clear improvement on the present system and does not touch on fundamental principles.

Seaman Guard Ohio Families March for Justice. *Maritime Executive* [Online]. 4 May 2016. Available from: <http://maritime-executive.com/article/seaman-guard-ohio-crews-families-march-for-justice> On Wednesday, families of six Britons imprisoned in the *Seaman Guard Ohio* affair marched in the streets of Carlisle, England, calling for government action to secure the men's release.

No longer at sea. By C Uday Bhaskar. *The Hindu (India)* [Online]. 6 May 2016. Available from: <http://www.thehindu.com/opinion/op-ed/no-longer-at-sea/article8561775.ece> The United Nations arbitration tribunal's decision on the Italian marines case, announced on May 3, seeks to placate both India and Italy over a tragic incident that led to the death of two Indian fishermen off Kochi in February 2012.

China says door for dialogue with Philippines always open. *Xinhuanet (China)* [Online]. 5 May 2016. Available from: http://news.xinhuanet.com/english/2016-05/05/c_135337186.htm China said on Thursday the door for dialogue with the Philippines on the South China Sea is always open, refuting the country's argument that bilateral dialogue has come to an end.

Arrested vessel carrying fuel oil discharges cargo at Singapore's Vopak Sebarok terminal. By Goh Shu Hui and Wanda Wang. *Bunkerworld* [Online]. 5 May 2016. Available from: <http://www.bunkerworld.com/news/Arrested-vessel-carrying-fuel-oil-discharges-cargo-at-Singapore-s-Vopak-Sebarok-terminal-141525> A Suezmax oil tanker, Eurohope, which was arrested on April 25 in Singapore, has been released and has discharged the fuel oil cargo it was carrying at Vopak's Sebarok terminal in Singapore Wednesday, according to trade sources and court documents seen by Platts Thursday.

Sorting seafaring certificates. *Sun Live (New Zealand)* [Online]. 9 May 2016. Available from: <https://www.sunlive.co.nz/news/125765-sorting-seafaring-certificates.html> Maritime NZ is proposing a compromise and public meetings over a seafaring certification wrangle caused by conflicting systems.

China detains 20 Maltese crew after deadly collision. By Hou Qiang. *Xinhuanet (China)* [Online]. 9 May 2016. Available from: http://news.xinhuanet.com/english/video/2016-05/09/c_135344035.htm 🇺🇦 The incident left 17 Chinese crew missing and two dead.

South China Sea: Who Occupies What in the Spratlys? By Alexander L Vuving. *The Diplomat* [Online]. 6 May 2016. Available from: <http://thediplomat.com/2016/05/south-china-sea-who-claims-what-in-the-spratlys/> The discourse on the South China Sea disputes is understandably laden with emotion.

USCG driving ballast water agenda. *Royal Institution of Naval Architects (RINA)* [Online]. May 2016. Available from: http://www.rina.org.uk/USCG_driving_ballast_water_agenda.html The IMO Ballast Water Management Convention (BWMC) is edging closer to implementation. Following recent ratifications by Belgium and Fiji, which bring the combined gross tonnage of ratifying countries to 34.8%, a mere 0.2% more is required to make global ballast water treatment requirements a reality.

BIMCO to refer to new York-Antwerp Rules 2016 in future documents.

Baltic and International Maritime Council (BIMCO) [Online]. 11 May 2016. Available from: https://www.bimco.org/News/2016/05/11_York_Antwerp_Rules.aspx BIMCO's Documentary Committee, who met in Copenhagen yesterday, have agreed that all new and revised BIMCO charter parties and bills of lading will now refer to general average being adjusted in accordance with the new York-Antwerp Rules (YAR) 2016.

Norwegian Academics: Arctic Drilling is Illegal. *Maritime Executive* [Online]. 10 May 2016.

Available from: <http://www.maritime-executive.com/article/norwegian-academics-arctic-drilling-is-illegal> Two Norwegian law professors, Beate Sjøfjell and Anita Halvorssen, have assessed national and international law and concluded that Norway does not have the right to proceed with its ambitious petroleum plans in Arctic waters.

U.N. Security Council removes Libyan oil tanker from blacklist. *By Louis Charbonneau.*

Reuters [Online]. 12 May 2016. Available from: <http://uk.reuters.com/article/uk-libya-security-un-idUKKCN0Y321C> The United Nations Security Council on Thursday removed from a U.N. blacklist an Indian-flagged tanker that was recently prevented from shipping oil for the rival eastern Libyan government after Libya's U.N. mission requested the de-listing.

GPHA to fine shipping company for polluting Tema Harbour. *Ghana Web* [Online].

16 May 2016. Available from: <http://www.ghanaweb.com/GhanaHomePage/business/GPHA-to-fine-shipping-company-for-polluting-Tema-Harbour-438966> The Ghana Ports and Harbours Authority (GPHA) is to impose a \$50,000 penalty on the Mediterranean Shipping Company for polluting the Tema Port environment with heavy marine oil (HFO) spilled from its container vessel, MSC Alexa.


Ground-breaking illegal fishing accord soon to enter into force.

Food and Agriculture Organization (FAO) [Online]. 16 May 2016. Available from: <http://www.fao.org/news/story/en/item/414494/icode/> Illegal, unregulated and unreported (IUU) fishing is about to become much more difficult thanks to the imminent entry into force of the Port State Measures Agreement (PSMA), a ground-breaking international accord championed by FAO.


Engaging Maritime Judges for Sector's Growth. *By Martins Uba Nwamadi. This Day (Nigeria)* [Online]. 15 May 2016. Available from:

<http://www.thisdaylive.com/index.php/2016/05/15/engaging-maritime-judges-for-sectors-growth/> One quality of a good leader is the ability to see something no one else can see.

Migrant smuggling is 'a multinational business', finds joint report. *INTERPOL* [Online].

17 May 2016. Available from: <http://www.interpol.int/en/News-and-media/News/2016/N2016-062> The findings of a joint Europol-INTERPOL Report on Migrant Smuggling Networks underline the need for an accurate and in-depth understanding of the wide range of illicit services offered by migrant smugglers, and their operating methods, so as to dismantle their criminal networks. [MIGRANT SMUGGLING NETWORKS Joint Europol-INTERPOL Report Executive Summary](#) 

Migrant Smuggling Networks: Joint Europol-INTERPOL Report. *Europol/INTERPOL* [Online]. 17 May 2016. Available from:

http://www.interpol.int/content/download/32196/417389/version/2/file/EDOC_May.pdf  Intelligence held at Europol indicates that more than 90% of all migrants reaching the European Union use the facilitation services of a migrant smuggling network at some point throughout their journey.

EU Traffic light system to fight illegal fishing gives Indonesia Green Light.

By Karmenu Vella, European Commissioner for Environment, Maritime Affairs and Fisheries. *European Commission* [Online]. 17 May 2016. Available from:

https://ec.europa.eu/commission/2014-2019/vella/blog/eu-traffic-light-system-fight-illegal-fishing-gives-indonesia-green-light_en A lot has changed since the EU declared "zero tolerance" on illegal fishing in January 2010.

Italy seeks 18 years for alleged captain in migrants shipwreck. By Steve Scherer. *Reuters*

[Online]. 17 May 2016. Available from: <http://uk.reuters.com/article/uk-europe-migrants-shipwreck-smugglers-idUKKCN0Y823L>

Italian prosecutors on Tuesday demanded that the man they say captained a migrant boat that sank killing up to 800 people be sentenced to 18 years in prison on charges of manslaughter and international people smuggling.

China explains role in dispute. By Mathias Huckert. *Samoa Observer* [Online].

18 May 2016. Available from: http://www.sobserver.ws/en/18_05_2016/local/6285/China-explains-role-in-dispute.htm The Chinese Embassy in Samoa yesterday called a rare press briefing to explain its role in the ongoing South China Sea dispute, with the Philippines and others.

Ajman Port takes steps to protect sailors. *Gulf News* [Online]. 17 May 2016. Available from:

<http://gulfnews.com/news/uae/government/ajman-port-takes-steps-to-protect-sailors-1.1829695>

Ajman Port authorities are floating new rules to protect the rights of crew members aboard ships who find themselves stranded in workplace disputes.

The opening of the Northern Sea Routes: The implications for global shipping and for Canada's relations with Asia. By Hugh Stephens. *University of Calgary (Canada)* [Online].

17 May 2016. Available from: <http://policyschool.ucalgary.ca/?q=content/opening-northern-sea-routes-implications-global-shipping-and-canadas-relations-asia>

All the excitement around the great possibilities that the opening of the Northwest Passage could offer the shipping industry - and Canada - could not last.

Vietnam: PM approves plan to meet MARPOL regulations. *Hellenic Shipping News* [Online].

18 May 2016. Available from: <http://www.hellenicshippingnews.com/vietnam-pm-approves-plan-to-meet-marpol-regulations/> The plan aims to develop the capability of officials and civil servants in state maritime management agencies as well as the quality of environment inspectors and supervisors who supervise sea ports.

Government has requested that the Chagos Archipelago be returned by the United Kingdom, says PM. *Government of Mauritius* [Online]. 18 May 2016. Available from:

<http://www.govmu.org/English/News/Pages/Government-has-requested-that-the-Chagos-Archipelago-be-returned-by-the-United-Kingdom,-says-PM.aspx> Government has requested that the Chagos Archipelago be returned by the United Kingdom to the effective control of Mauritius by a precise date to be agreed upon and proposed that consideration could be given to the joint management of the Chagos Archipelago pending its return to Mauritius.

Vanuatu, Solomon Islands Set To Define Maritime Boundary. By Thompson Marango.

Pacific Islands Development Program, East-West Center (PIDP) / Island Times [Online].

20 May 2016. Available from: <http://www.pireport.org/articles/2016/05/20/vanuatu-solomon-islands-set-define-maritime-boundary> The Government of Vanuatu and Solomon Islands are looking forward to the finalization and signing of the treaty sealing common coordinates in the two countries' maritime boundary within the next two months.

Int'l judicial bodies a viable alternative to border disputes. By Tama Salim. *Jakarta Post* [Online]. 20 May 2016. Available from: <http://www.thejakartapost.com/news/2016/05/20/int-l-judicial-bodies-a-viable-alternative-border-disputes.html> There is merit in exploring alternative ways to solve long-standing maritime delimitation disputes, such as through international judicial bodies to achieve stable maritime boundaries, amid maritime conflicts among ASEAN members.

Declaration from Ministers on Green and Inclusive Transport. *International Transport Forum* [Online]. 19 May 2016. Available from: <http://www.itf-oecd.org/sites/default/files/docs/2016-05-19-declaration-from-ministers-on-green-and-inclusive-transport.pdf> Agreed by the Council of Ministers of Transport at the 2016 Summit of the International Transport Forum in Leipzig, Germany

U.S. blames Plains pipeline company for Santa Barbara oil spill. By Steve Gorman. *Reuters* [Online]. 19 May 2016. Available from: <http://www.reuters.com/article/us-california-oilspill-plains-all-amer-idUSKCN0YA2V5> Numerous lapses in safety measures, judgment and planning by Plains All American Pipeline LP led to and worsened a major oil spill last year that fouled miles of shoreline and ocean near Santa Barbara, California, the U.S. Transportation Department said on Thursday.

Sri Lanka Moves to Include MARPOL Annex VI in National Legislation. *Ship & Bunker* [Online]. 23 May 2016. Available from: <http://shipandbunker.com/news/apac/405963-sri-lanka-moves-to-include-marpol-annex-vi-in-national-legislation> Sri Lanka has begun the process of bringing MARPOL Annex VI, concerning the prevention of air pollution from ships, into its national legislation, local media reports.

Tens of countries sign up to shut pirate fishers out of their ports. By Emma Bryce. *The Guardian* [Online]. 23 May 2016. Available from: <http://www.theguardian.com/environment/world-on-a-plate/2016/may/23/tens-of-countries-sign-up-to-shut-pirate-fishers-out-of-their-ports> In March, the Argentinian coast guard shot at and sank a Chinese vessel that was alleged to be fishing illegally in Argentinian waters (the crew were all rescued).

Fish Fight: IUU Fishing. *BBC World Service* [Online]. 23 May 2016. Available from: <http://www.bbc.co.uk/programmes/p03v2yrb> Most wild fisheries are at, or near, breaking point and it is estimated up to a third of all fish are caught illegally, feeding an underworld of crime. AUDIO

Supreme Court to hear Italian marine's plea to go home. *The Hindu (India)* [Online]. 24 May 2016. Available from: <http://www.thehindu.com/news/national/italian-marines-case-supreme-court-agrees-to-hear-salvatore-girones-plea-on-may-26/article8636285.ece> The Supreme Court will hear a plea by Salvatore Gironi, one of the two Italian marines accused of killing two fishermen off Kerala, to return to Italy.

Carnival PLC the first cruise ship company to be fined under new low sulfur fuel regulations. *NSW Environment Protection Authority (Australia)* [Online]. 19 May 2016. Available from: <http://www.epa.nsw.gov.au/epamedia/EPAMedia16051901.htm> The NSW Environment Protection Authority (EPA) has fined Carnival PLC \$15,000 after one of its P&O Cruises ships, the *Pacific Jewel*, breached new low sulfur fuel regulations in Sydney Harbour.

EU naval force can train Libyan coastguard in 14 weeks – admiral. By Steve Scherer.

Reuters [Online]. 25 May 2016. Available from: <http://www.reuters.com/article/us-europe-migrants-sophia-idUSKCN0YG1JC> The European Union's Mediterranean naval force is offering to train Libyans to run a small coastguard fleet to be able to fight people smuggling in under three months, the admiral in charge of the mission said on Wednesday.

Wildlife crime assessed globally for the first time in new UNODC report.

United Nations Office on Drugs and Crime (UNODC) [Online]. 24 May 2016. Available from: <http://www.unodc.org/unodc/en/frontpage/2016/May/wildlife-crime-assessed-globally-for-the-first-time-in-new-unodc-report.html> Today, UNODC launched its inaugural World Wildlife Crime Report, highlighting how the poaching and illegal trade of thousands of different species across the globe not only present real environmental dangers but ultimately undermine the rule of law by potentially fuelling conflict. [World Wildlife Crime Report](#)

Many UN Members Fall Short in Follow-Through on Fisheries Commitments. By Elizabeth Watson and Amanda Nickson.

Pew Charitable Trusts [Online]. 23 May 2016. Available from: <http://goo.gl/L9cOEj> Management bodies slow to act in line with international agreements.

Global Progress Toward Implementing the United Nations Fish Stocks Agreement.

Pew Charitable Trusts [Online]. 23 May 2016. Available from: <http://www.pewtrusts.org/en/research-and-analysis/reports/2016/05/global-progress-toward-implementing-the-united-nations-fish-stocks-agreement> World leaders adopted the United Nations Fish Stocks Agreement¹ (UNFSA) in 1995 to "ensure the long-term conservation and sustainable use of straddling fish stocks and highly migratory fish stocks."

SC allows Italian marine to go home. By Krishnadas Rajagopal. *The Hindu (India)* [Online]. 26 May 2016. Available from: <http://www.thehindu.com/news/national/sc-allows-italian-marine-to-go-home/article8649223.ece?homepage=true> The Supreme Court on Thursday allowed Salvatore Girone, one of the two Italian marines accused of killing two fishermen off Kerala, to return to Italy.


Denmark's Maersk calls for tougher enforcement of marine sulfur rules. By Ned Molly.

Bunkerworld [Online]. 25 May 2016. Available from: <http://www.bunkerworld.com/news/141777?tag=1-209362-4882723-0-BW> In a presentation at the Platts 7th Annual Bunker Fuel Conference in Rotterdam Wednesday, Denmark's Maersk called for tougher punishments to back up current marine sulfur rules in Emission Control Area (ECA) zones, and raised major concerns about how the upcoming global sulfur cap on shipping emission would be enforced.

Cargo ship detained in Brisbane after crew unable to use navigation equipment.

By Cameron Atfield. *Brisbane Times (Australia)* [Online]. 27 May 2016. Available from: <http://www.brisbanetimes.com.au/queensland/cargo-ship-detained-in-brisbane-after-crew-unable-to-use-navigation-equipment-20160527-gp5azt.html> A cargo ship made its way down the Queensland coast and through the Great Barrier Reef without its crew knowing how to use the bulk carrier's electronic navigation equipment.

(Somalia v. Kenya) Maritime Delimitation in the Indian Ocean: Public Hearings 19-23 September 2016.

International Court of Justice [Online]. 26 May 2016. Available from: <http://www.icj-cij.org/docket/files/161/19014.pdf>  The International Court of Justice (ICJ), the principal judicial organ of the United Nations, will hold public hearings in the case concerning Maritime Delimitation in the Indian Ocean (Somalia v. Kenya) from Monday 19 September to Friday 23 September 2016, at the Peace Palace in The Hague, the seat of the Court.

Fisheries must be included in international marine biodiversity agreement.

By Norica Nicolai. *Parliament Magazine* [Online]. 26 May 2016. Available from:


<https://www.theparliamentmagazine.eu/articles/opinion/fisheries-must-be-included-international-marine-biodiversity-agreement>

As Parliament's rapporteur on fisheries aspects within the international agreement on marine biodiversity in area beyond national jurisdiction, in relation to the United Nations convention on the law of the sea (UNCLOS), my main work has consisted in finding a set of objectives that would express the position of our House on the negotiations that are taking place and give the Commission strong and clear support.

EMSA and Frontex extend cooperation for another three years.

European Maritime Safety Agency (EMSA) [Online]. 26 May 2016. Available from:

<http://www.emsa.europa.eu/news-a-press-centre/external-news/download/4114/2708/23.html>

EMSA and the EU's border agency Frontex have signed a new interagency agreement that will extend their cooperation for another three years. [Infographic](#) 

Workshop in Russia advances NECA for ships in Baltic and North Seas.

Baltic Marine Environment Protection Commission (HELCOM) [Online]. 25 May 2016.

Available from: <http://www.helcom.fi/news/Pages/Workshop-in-Russia-advances-NECA-for-ships-in-Baltic-and-North-Seas.aspx>

Russian Federation hosts a workshop this week on Baltic Sea and North Sea NECAs in St. Petersburg, to advance the action after the decision by the countries of both sea areas to apply in parallel for a NECA status from the International Maritime Organisation (IMO).

MARINE TECHNOLOGY

US researchers assess LNG bunkering methane-leak risk. *Marine Propulsion & Auxiliary Machinery* [Online]. 28 April 2016. Available from: http://www.mpropulsion.com/news/view.us-researchers-assess-lng-bunkering-methaneleak-risk_42777.htm

The battle to reduce greenhouse gas (GHG) emissions from ships is heating up – as the workload of IMO's Marine Environment Protection Committee's indicates – and LNG-powered vessels can be a powerful tool in the maritime community's drive to comply with tightening international regulation of ship atmospheric pollution.

Using nanostructured filters to reduce shipping pollution. By Cécilia Carron.

École Polytechnique Fédérale De Lausanne (EPFL) [Online]. 4 May 2016. Available from:

<http://actu.epfl.ch/news/using-nanostructured-filters-to-reduce-shipping-po/>

Cargo ships are among the leading sources of pollution on the planet.

Dutch proposal for innovative escort tug. By Peter Barker. *Maritime Journal* [Online].

9 May 2016. Available from: <http://www.maritimejournal.com/news101/tugs,-towing-and-salvage/dutch-proposal-for-innovative-escort-tug>

A Dutch consultancy is proposing a new design of escort tug utilising diesel electric and battery power and featuring a totally enclosed winch.

Fujitsu develops High-Accuracy Fuel Efficiency Estimates through a ship's operational data. *Fujitsu Limited* [Online]. 10 May 2016. Available from:

<http://www.fujitsu.com/global/about/resources/news/press-releases/2016/0510-03.html>

Fujitsu Laboratories Ltd. today announced the development of technology that uses analysis of ship-related big data to estimate fuel efficiency, speed and other performance in actual sea conditions, to a highly accurate margin of error of less than 5%.

GE Enters the Container Ship Industry, Equipping Maersk Line's 2nd Generation Triple-E Vessels with Technology. *GE Corporation* [Online]. 9 May 2016. Available from: <https://www.gemarinesolutions.com/content/ge-enters-container-ship-industry-equipping-maersk-line%E2%80%99s-2nd-generation-triple-e-vessels> Today, GE's Marine Solutions (NYSE: GE) announces the expansion of its offering with the signing of a key contract to provide the latest in auxiliary electric systems to Maersk Line, the world's leading container ship operator.


In Double ECDIS Failure what good is a Sextant? By Jaquelyn Burton, Coeval, Inc. *gCaptain* [Online]. 11 May 2016. Available from: <https://gcaptain.com/double-ecdis-failure-good-sextant/> ECDIS is becoming ubiquitous - and that is a good thing.

Unmanned pollution control: no more sci-fi. By Stevie Knight. *Maritime Journal* [Online]. 12 May 2016. Available from: <http://www.maritimejournal.com/news101/pollution-control/unmanned-pollution-control-no-more-sci-fi> "Our approach to designing an Unmanned Surface Vessel for things like water quality checking is to keep it simple," said Greg Atkinson of Eco Marine Power.


Seafarers must not become over-reliant on GPS. By Martyn Wingrove. *Marine Electronics and Communications* [Online]. 18 May 2016. Available from: http://www.marinemec.com/news/view.seafarers-must-not-become-overreliant-on-gps_42992.htm One of the biggest issues that continues to be highlighted by various organisations is how technology is changing the way bridge teams operate.

MARITIME SAFETY


7,000 illegal immigrants smuggled into Britain on ferries. By Steven Swinford. *The Telegraph* [Online]. 2 May 2016. Available from: <http://www.telegraph.co.uk/news/2016/05/02/7000-illegal-immigrants-smuggled-into-britain-on-ferries/> The number of illegal immigrants who were successfully smuggled into Britain on ferries has more than doubled in the past three years, according to official figures.

Multinational exercise to fight terrorism and maritime security threats kicks off in Singapore. By Yeo Sam Jo. *Straits Times* [Online]. 8 May 2016. Available from: <http://www.straitstimes.com/singapore/multinational-exercise-to-fight-terrorism-and-maritime-security-threats-kicks-off-in>  The Singapore phase of a multinational exercise kicked off on Sunday (May8) as task forces intercepted and stormed a merchant vessel hijacked by "terrorists" at sea.

Gard Alert: Is the fuel in your emergency equipment fit for the purpose? *Gard* [Online]. 4 May 2016. Available from: <http://www.gard.no/web/updates/content/21025190/-gard-alert-is-the-fuel-in-your-emergency-equipment-fit-for-the-purpose> Fortunately, the scenario described above is fictitious - but it could very well have been real. Although most ship operators and vessels have procedures to manage and monitor fuel quality, the fuel used solely for emergency equipment such as emergency generators, emergency fire pumps and lifesaving appliances can easily slip under the radar.


Guidelines for the Carriage of Calcium Hypochlorite in Containers published. *Cargo Incident Notification System (CINS)* [Online]. 9 May 2016. Available from: <http://www.cinsnet.com/guidelines-for-the-carriage-of-calcium-hypochlorite-in-containers-published/> New Guidelines for the carriage of Calcium Hypochlorite in containers have been published jointly by CINS (the Cargo Incident Notification System) and the International Group of P&I Clubs. [Guidelines](#) 

Improving Arctic Shipping Safety and Protecting the Cultural Integrity of Northern Marine Transportation Corridors. *J.D.Irving Ltd.Shipbuilding & Industrial Fabrication* [Online].

9 May 2016. Available from: <https://www.jdirving.com/BlogPage.aspx?id=3050&blogid=74>  Irving Shipbuilding and the Marine Environmental Observation Prediction & Response Network (MEOPAR) are providing \$186,000 in support of a University of Ottawa research project on the future of Arctic shipping routes.

Near Miss Highlights Need for Better Regulation. By Ashleigh Telford.

Maritime Union of Australia [Online]. 16 May 2016. Available from:

http://www.mua.org.au/near_miss_highlights_need_for_better_regulation  A Flag-of-Convenience container ship had a narrowly missed running aground when it veered off course and almost collided with rocks and reefs off the coast of Coffs Harbour.

Update: Coast Guard suspends search for missing cruise ship passenger.

US Coast Guard Newsroom [Online]. 15 May 2016. Available from:

<http://www.uscgnews.com/go/doc/4007/2821850/> Coast Guard search and rescue coordinators suspended the search for a missing cruise ship passenger in the Gulf of Mexico at 8:14 p.m. CDT Sunday.

Aronnax: Putting the lessons of *Costa Concordia* into practice. By Craig Eason.

Lloyd's List [Online]. 17 May 2016. Available from:

<https://www.lloydslist.com/ll/news/commentary/article523924.ece> Lessons learnt about passengership damage stability from the *Costa Concordia* disaster could soon be put into new ship design rules.

AMSA informs on bridge resource management. *Safety 4 Sea* [Online]. 18 May 2016.

Available from: <http://www.safety4sea.com/amsa-informs-on-bridge-resource-management/> Australian Maritime Safety Authority has issued a marine notice on Bridge Resource Management (BRM) and Expected Actions of Bridge Teams in Australian Pilotage Waters with the purpose of reminding seafarers, shipowners/operators and pilots of the importance of well-planned Bridge Resource Management (BRM) techniques, efficient watchkeeping arrangements and passage planning requirements which enhance safety and reduce errors when navigating ships.

U.S. Coast Guard: Top Five Cruise Ship Deficiencies. *Maritime Executive* [Online].

19 May 2016. Available from: <http://maritime-executive.com/article/us-coast-guard-top-five-cruise-ship-deficiencies> The Coast Guard's Cruise Ship National Center of Expertise (CSNCOE) has published its spring newsletter highlighting its latest list of the top five deficiencies found on cruise vessels.

Crew's unwillingness to challenge pilotage leads to casualty. *Safety 4 Sea* [Online].


23 May 2016. Available from: <http://www.safety4sea.com/crews-unwillingness-to-challenge-pilotage-leads-to-casualty/> The Standard P&I Club has issued a pilotage bulletin to review the main features of pilotage in key maritime jurisdictions.

Evacuation in the Arctic put to the test. By Lars Gunnar Dahle. *Phys Org* [Online].

25 May 2016. Available from: <http://phys.org/news/2016-05-evacuation-arctic.html> In order to find some of the answers to this the Norwegian Coast Guard vessel *KV Svalbard* served as the home and workplace to a week long research mission, headed by the University of Stavanger, to the remote archipelago of Spitsbergen - or Svalbard - which is its Norwegian name.

Strengthening the Safety Culture of the Offshore Oil and Gas Industry.

US Transportation Research Board [Online]. May 2016. Available from:

<http://www.nap.edu/catalog/23524/strengthening-the-safety-culture-of-the-offshore-oil-and-gas-industry> It offers recommendations to industry and regulators to strengthen and sustain the safety culture of the offshore oil and gas industry. [Report in Brief](#) 

MARITIME SECURITY

Indonesia agrees to launch joint patrols with Malaysia, Philippines. *Antara News (Indonesia)* [Online]. 5 May 2016. Available from:

<http://www.antaraneews.com/en/news/104492/indonesia-agrees-to-launch-joint-patrols-with-malaysia-philippines> The joint patrol agreement was the first point of the list of issues to be discussed during a trilateral meeting of the foreign ministers and military officers of the three countries held in Yogyakarta on Thursday.

Abductions at Sea: A 3-Way Security Challenge for Indonesia, Malaysia, and the Philippines. By **Jacqueline Espenilla.** *The Diplomat* [Online]. 5 May 2016. Available from: <http://thediplomat.com/2016/05/abductions-at-sea-a-3-way-security-challenge-for-indonesia-malaysia-and-the-philippines/> The tri-border area (TBA) in Southeast Asia is comprised of the maritime zones of three states – the Philippines, Indonesia and Malaysia – in the Sulu Sea and the Celebes Sea.

Al Qaeda in Yemen poses growing threat to shipping - naval force. By **Jonathan Saul.** *Reuters* [Online]. 4 May 2016. Available from: <http://uk.reuters.com/article/uk-yemen-qaeda-idUKKCN0XV1XG> Al Qaeda's Yemen branch remains a powerful force and poses a growing risk to merchant ships in vital waterways nearby despite efforts by Yemeni government forces and their allies to push back the group, a top officer in an international naval force said.

NIMASA seeks military-led patrol of maritime domain. By **Moses Ebosele.** *Guardian (Nigeria)* [Online]. 4 May 2016. Available from: <http://guardian.ng/business-services/maritime/nimasa-seeks-military-led-patrol-of-maritime-domain/> The Director-General of the Nigerian Maritime Administration and Safety Agency (NIMASA), Dr. Dakuku Peterside has called for a military led patrol of the maritime domain as part of measure to curb the rising incidence of piracy in the Gulf of Guinea.

Time to heed own cyber advice. *ShipInsight* [Online]. 6 May 2016. Available from: <https://www.shipinsight.com/time-to-heed-own-cyber-advice/> While many of the outcomes will be issuance of new guidance on matters such as passenger vessel evacuation analysis, cyber security – there is also an agenda item to discuss guidelines on measures to reduce the transport of alien species inside containers – there will also be some amendments to existing SOLAS regulations and other IMO documents.

Maritime security ties to grow, Hanoi and Tokyo say. *Japan Times* [Online]. 6 May 2016. Available from: <http://www.japantimes.co.jp/news/2016/05/06/national/politics-diplomacy/japan-vietnam-agree-boost-maritime-security-cooperation/#.V01ifBv2Zi4> Foreign Minister Fumio Kishida and Vietnamese Deputy Prime Minister Pham Binh Minh agreed Thursday to deepen cooperation on maritime security as China's militarization of the South China Sea continues, Japanese officials said.

Danes support as Part of NATO's counter piracy Operation Ocean Shield.

NATO Maritime Command [Online]. 5 May 2016. Available from:

<http://www.mc.nato.int/PressReleases/Pages/Danes-support-as-Part-of-NATO%E2%80%99s-counter-piracy-Operation-Ocean-Shield.aspx>

Flying low over the waters near Somalia, Danish crews hunt for indicators of illegal activities across a wide stretch of ocean near the east African coast.

Cyber Threats to Navy and Merchant Shipping in the Persian Gulf. By Ian W Gray.

The Diplomat [Online]. 5 May 2016. Available from: [http://thediplomat.com/2016/05/cyber-](http://thediplomat.com/2016/05/cyber-threats-to-navy-and-merchant-shipping-in-the-persian-gulf/)

[threats-to-navy-and-merchant-shipping-in-the-persian-gulf/](http://thediplomat.com/2016/05/cyber-threats-to-navy-and-merchant-shipping-in-the-persian-gulf/) Iran's cyber capabilities continue to develop as merchant ships are becoming vectors for cyber attacks.

With 246 piracy attacks reported to the ICC in 2015, how do you keep seafarers safe at sea? By Cyrus Mody, Assistant Director, ICC-IMB.

Inmarsat [Online]. 11 May 2016.

Available from: <http://www.inmarsat.com/blog/with-246-piracy-attacks-reported-to-the-ICC-in-2015-how-do-you-keep-seafarers-safe-at-sea> Before 1992, shipmasters and ship operators had nowhere to turn to when their ships were attacked, robbed or hijacked, either in port or out at sea.

Questions of maritime piracy and security. By Marcus Hand.

Seatrade Maritime News [Online]. 16 May 2016. Available from: [http://www.seatrade-](http://www.seatrade-maritime.com/news/americas/questions-of-maritime-piracy-and-security.html)

[maritime.com/news/americas/questions-of-maritime-piracy-and-security.html](http://www.seatrade-maritime.com/news/americas/questions-of-maritime-piracy-and-security.html) Maritime piracy and security are not as hot a topic as they were a few years ago, but anyone in the industry who thinks these problems have been solved are deluding themselves.

Indonesia wants joint Malacca Strait security with PH, ASEAN vs pirates.

Manila Bulletin [Online]. 15 May 2016. Available from: [http://www.mb.com.ph/indonesia-wants-joint-malacca-](http://www.mb.com.ph/indonesia-wants-joint-malacca-strait-security-with-ph-asean-vs-pirates/)

[strait-security-with-ph-asean-vs-pirates/](http://www.mb.com.ph/indonesia-wants-joint-malacca-strait-security-with-ph-asean-vs-pirates/) Indonesia's Defense Minister Ryamizard Ryacudu has urged ASEAN countries to intensify joint patrolling to prevent the regions waters from falling prey to Somalia-style piracy.

U.S. Coast Guard, Malaysia strengthen partnership to improve port security.

US Coast Guard Newsroom [Online]. 17 May 2016. Available from:

<http://www.uscgnews.com/go/doc/4007/2827758/> This engagement involved sharing best practices and visiting with the Ministry of Infrastructure Marine and Ports Division to observe the implementation of the International Ship and Port Facility Security Code at three port facilities: Northport, Port Klang and two port facilities in Penang; Swettenham Cruise Terminal and North Butterworth Container Terminal.

Baltic maritime security. By Edward Lundquist.

Maritime Journal [Online]. 17 May 2016.

Available from: <http://www.maritimejournal.com/news101/security-and-alarm-systems/baltic-maritime-security> Baltic Sea nations are cooperating more than ever to ensure safety, security and sovereignty, but it is a complex environment, with threats seen and unseen on, over and under the sea.

NATO agrees bigger Mediterranean mission to stop smugglers. By Robin Emmott and Lesley Wroughton.

Reuters [Online]. 19 May 2016. Available from:

<http://www.reuters.com/article/us-nato-foreign-libya-idUSKCN0YA1RO> NATO agreed on Thursday to broaden its operations in the Mediterranean to help the European Union stop criminals trafficking refugees from North Africa but will not act until the fate of rescued migrants is cleared up.

Foreign Ministers agree NATO must do more to project stability in its neighbourhood.

North Atlantic Treaty Organization (NATO) [Online]. 19 May 2016. Available from: http://www.nato.int/cps/en/natohq/news_131197.htm? Foreign Ministers agreed on Thursday (19 May 2016) that NATO should do more to project stability beyond the Alliance's borders.

IMO to Prevent Cyber-attacks. By Joseph R. Fonseca. *Maritime Professional* [Online].

22 May 2016. Available from: <http://www.maritimeprofessional.com/news/prevent-cyberattacks-289988> Now, the IMO wants to prevent hostile attempts to interfere with electronic systems in the maritime industry and it has therefore drawn up interim Guidelines on risk management.

European migrant crisis spurs UAS maritime surveillance testing. *GPS World* [Online].

23 May 2016. Available from: <http://gpsworld.com/european-migrant-crisis-spurs-uas-maritime-surveillance-testing/> Maritime operations have been brought into focus in Europe by the unprecedented migrant crisis

Outdated systems placing maritime vessels at risk of cyber-attack, study suggests. By Alan Williams. *Plymouth University (UK)* [Online]. 24 May 2016. Available from:

<https://www.plymouth.ac.uk/news/outdated-systems-placing-maritime-vessels-at-risk-of-cyber-attack-study-suggests> Maritime vessels are under significant threat of cyber-attack because many are carrying outdated software and were not designed with cyber security in mind, according to new research.

Buhari seeks collaboration on maritime security in Gulf of Guinea. *Vanguard (Nigeria)*

[Online]. 24 May 2016. Available from: <http://www.vanguardngr.com/2016/05/buhari-seeks-collaboration-on-maritime-security-in-gulf-of-guinea/> President Muhammadu Buhari on Tuesday called for greater international collaboration between the Nigerian Navy and other stakeholders in tackling maritime security challenges in the Gulf of Guinea.

MARITIME TRAINING

NMP certifies 320,225 Filipino seafarers. *Philippine Information Agency* [Online]. 2 May 2016.

Available from: <http://news.pia.gov.ph/article/view/1141462110673/nmp-certifies-320-225-filipino-seafarers> Since it was founded 38 years ago, the National Maritime Polytechnic (NMP) has issued 320,225 certificates in various courses to both Filipino seafarers-officers and ratings.

\$1.2m scheme to tackle lack of marine engineers. By Olivia Ho. *Straits Times* [Online].

4 May 2016. Available from: <http://www.straitstimes.com/singapore/12m-scheme-to-tackle-lack-of-marine-engineers> The maritime sector will get a boost with a new \$1.2 million programme to tackle an acute shortage of marine engineers.

IMarEST: Shipping's looming skills gap must be tackled now. *Splash 24/7* [Online].

6 May 2016. Available from: <http://splash247.com/imarest-shippings-looming-skills-gap-must-be-tackled-now/> Shipping's looming skills gap must be tackled now, says the new president of the Institute of Marine Engineering, Science and Technology (IMarEST) in an exclusive interview with Maritime CEO today.

Crew need to be competent not just compliant, says Intermanager. By Holly Birkett.

Splash 24/7 [Online]. 10 May 2016. Available from: <http://splash247.com/crew-need-to-be-competent-not-just-compliant-says-intermanager/> Seafarers' professional development is being impeded by an over-reliance on monitoring, technology and a "tick-box culture" of regulatory compliance, the secretary-general of Intermanager has said.

Virtual reality to improve crew training. By Ines Nastali. *Marine Professional / IMarEST* [Online]. 12 May 2016. Available from: <http://www.imarest.org/themarineprofessional/item/2388-virtual-reality-to-improve-crew-training>
BAE Systems has made further inroads into the use of virtual reality.

Maritime Skills Academy Launch. *All About Shipping* [Online]. 12 May 2016. Available from: <http://www.allaboutshipping.co.uk/2016/05/12/maritime-skills-academy-launch/> Bringing a new state-of-the-art Marine Survival Complex to the maritime sector, the Maritime Skills Academy is launching its new facilities, based at Whitfield on the outskirts of Dover, on the 20th June 2016.

Bright future ahead for first ETO grad. *Australian Maritime College* [Online]. 18 May 2016. Available from: <https://www.amc.edu.au/news/bright-future-ahead-first-eto-grad> Graduating as Australia's first marine electro-technical officer was one of the proudest moments of Shamal Silva's life, and the 28-year-old Sri Lankan now has his sights set on establishing a career in this challenging but rewarding field.

Marina unit upholds BV's ISO certification for STCW Office. *Manila Bulletin* [Online]. 23 May 2016. Available from: <http://www.mb.com.ph/marina-unit-upholds-bvs-iso-certification-for-stcw-office/> The Maritime Industry Authority (Marina) Standards of Training, Certification and Watchkeeping Office (STCWO) said yesterday it pushed through its total commitment to excellence by maintaining the ISO 9001:2008 Certification issued to it by Bureau Veritas (BV) in August, 2015.

Setting the bar for maritime education and training across the globe.

Australian Maritime College [Online]. 26 May 2016. Available from: <https://www.amc.edu.au/news/setting-bar-maritime-education-and-training-across-globe>
The Australian Maritime College at the University of Tasmania is playing a leading role in a pilot project to establish key performance indicators for maritime universities around the world.

MIGRANTS

Mediterranean Migrant Arrivals in 2016: 184,546; Deaths: 1357.

International Organization for Migration (IOM) [Online]. 3 May 2016. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-2016-184546-deaths-1357>
IOM reports an estimated 184,546 migrants and refugees have entered Europe by sea in 2016, arriving in Italy, Greece, Cyprus and Spain, through 1 May.

Dozens missing and hundreds rescued in tragic weekend of boat disasters.

The International Federation of Red Cross and Red Crescent Societies (IFRC) [Online]. 2 May 2016. Available from: <http://goo.gl/7JkC3f> More than 700 people attempting the lethal sea crossing from North Africa to Italy were rescued and taken to Sicily this weekend.

Horrified shipwreck survivors watched as hundreds drowned. By Tania Karas.

United Nations High Commissioner for Refugees (UNHCR) [Online]. 2 May 2016. Available from: <http://www.unhcr.org/572753416.html> All Yasin Osman Ibrahim and his three-year-old son Abdulrahman could do was watch in horror as more than 500 migrants and refugees drowned two weeks ago, in one of the Mediterranean's worst shipwrecks in modern history.

LÉ Róisín set to depart for migrant rescue duty in the Mediterranean. By Lorna Siggins.

Irish Times [Online]. 29 April 2016. Available from: <http://goo.gl/51z1hW> The Naval Service patrol ship *LÉ Róisín* is to set sail on Sunday on humanitarian rescue duty in the Mediterranean.

Europe / Mediterranean - Migration Crisis Response Situation Report | 4 May 2016.

International Organization for Migration (IOM) [Online]. 4 May 2016. Available from:

<http://www.iom.int/sitreps/europe-mediterranean-migration-crisis-response-situation-report-4-may-2016>

78 migrants rescued from stricken smugglers' boats off Greek islands. *Independent (Ireland)* [Online]. 5 May 2016. Available from: <http://www.independent.ie/world-news/78-migrants-rescued-from-stricken-smugglers-boats-off-greek-islands-34688919.html>

A patrol vessel from the European Union's Frontex border agency picked up 56 people off the island of Chios, while a Greek coast guard crew rescued another 22 off the nearby islet of Panagia.

African Migrants in Libya Face Kidnapping, Torture, and Robbery on Smuggling Route to Europe. *By Rebecca Murray. Vice News* [Online]. 8 May 2016. Available from:

<https://news.vice.com/article/african-migrants-in-libya-face-kidnapping-torture-and-robbery-on-smuggling-route-to-europe>

In an impoverished and violent neighborhood on the edge of Sebha in Libya's southern desert, 30-year-old Ibrahim from Burkina Faso is struggling to survive — and to move on.

Italy rescues nearly 1,800 migrants in Mediterranean. *By Gavin Jones. Reuters* [Online].

7 May 2016. Available from: <http://www.reuters.com/article/us-europe-migrants-italy-rescue-idUSKCN0XXOZ6> Italian vessels have helped rescue nearly 1,800 migrants from boats trying to reach Italy from north Africa in the last 24 hours, the navy said on Friday, indicating that numbers are rising as the weather warms up.

Mediterranean Migrant Arrivals in 2016: 187,631; Deaths: 1,357.

International Organization for Migration (IOM) [Online]. 10 May 2016. Available from:

<http://www.iom.int/news/mediterranean-migrant-arrivals-2016-187631-deaths-1357>

IOM reports an estimated 187,631 migrants and refugees have entered Europe by sea in 2016, arriving in Italy, Greece, Cyprus and Spain, through 8 May and 1,357 fatalities on the three major Mediterranean Sea routes connecting North Africa and Middle East to Europe.

Buried without a name: The untold story of Europe's drowned migrants.

By Vladimir Hernandez and Nassos Stylianou. BBC News [Online]. 10 May 2016.

Available from: <http://www.bbc.co.uk/news/resources/idt-91f3683c-5e3c-4a2e-92eb-7d7f6a024c02>

More than 1,250 unnamed men, women and children have been buried in unmarked graves in 70 sites in Turkey, Greece and Italy since 2014, a BBC investigation has found.

Italy breaks up people-smuggling ring that imprisoned migrants. *By Steve Scherer.*

Reuters [Online]. 11 May 2016. Available from: <http://www.reuters.com/article/us-europe-migrants-italysmugglers-idUSKCN0Y21EU> Italian police arrested seven people on Wednesday for running a people-smuggling ring in which Somali boat migrants who reached Italy by boat were held prisoner until their families paid their passage further north, a statement said.

European Union Committee: Operation Sophia, the EU's naval mission in the Mediterranean: an impossible challenge. *UK Parliament Lords Select Committee* [Online].

13 May 2016. Available from:

<http://www.publications.parliament.uk/pa/ld201516/ldselect/ldcom/144/14402.htm>

Since 2014, Europe has been struggling to respond to an exceptional number of irregular but voluntary migrants seeking to cross European borders.

Mediterranean Migrant Arrivals in 2016: 188,075; Deaths 1,357.

International Organization for Migration (IOM) [Online]. 13 May 2016. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-2016-188075-deaths-1357>

IOM reports an estimated 188,075 migrants and refugees have entered Europe by sea in 2016 through 11 May, arriving in Italy, Greece, Cyprus and Spain.

Coastguard rescues some 1,000 refugees and migrants off Italy.

United Nations High Commissioner for Refugees (UNHCR) [Online]. 13 May 2016.

Available from: <http://www.unhcr.org/57359b096.html> Approximately 1,000 people of various nationalities, including refugee families and unaccompanied children, were rescued yesterday in operations coordinated by Frontex.

Number of migrants arriving in Greece dropped 90% in April. *Frontex* [Online].

13 May 2016. Available from: <http://frontex.europa.eu/news/number-of-migrants-arriving-in-greece-dropped-90-in-april-6e7oBw> The drop is a result of several factors, including The EU-Turkey agreement and stricter border policies applied by the former Yugoslav Republic of Macedonia at its border with Greece.

EU mission 'failing' to disrupt people-smuggling from Libya. By Christian Fraser.

BBC News [Online]. 13 May 2016. Available from: <http://www.bbc.co.uk/news/world-europe-36283316> The EU naval mission to tackle people smuggling in the central Mediterranean is failing to achieve its aims, a British parliamentary committee says.

700 Drowned Migrants to be Recovered from Sunken Smuggler Ship. By Barbie Latza

Nadeau. Scientific American [Online]. 13 May 2016. Available from:

<http://www.scientificamerican.com/article/700-drowned-migrants-to-be-recovered-from-sunken-smuggler-ship/> Two dozen forensic scientists will analyze DNA from a wreck just exhumed from the Mediterranean seafloor.

Inside Europe: Reporting from the rescue mission. By Daniel Pelz. *Deutsche Welle (DW)*

(Germany) [Online]. 12 May 2016. Available from: <http://www.dw.com/en/inside-europe-reporting-from-the-rescue-mission/av-19251192> Just over a year ago, more than 800 migrants drowned in the Mediterranean after their boat capsized off the coast of Libya. AUDIO

Migrant crisis: Dinghy found carrying 112 people. *BBC News* [Online]. 17 May 2016.

Available from: <http://www.bbc.co.uk/news/world-africa-36309000> A dinghy carrying 112 migrants en route to Europe has been intercepted off Libya's coast.

LÉ Róisín receives additional 240 migrants from Italian vessel following earlier rescue.

By Louise Kelly. *Independent (Ireland)* [Online]. 16 May 2016. Available from:

<http://goo.gl/LrIY8a> Some 125 migrants were taken aboard the Irish naval vessel after being located 40 nautical miles north east of Tripoli.

EU has largely 'abandoned' Greece to deal with migrant crisis on its own, UN expert warns. *UN News Centre* [Online]. 17 May 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsId=53958> The suffering of migrants in Greece is the result of a complete absence of long-term vision and the clear lack of political will of the European Union (EU), a United Nations human rights expert said today.

Libyan coastguard intercepts 850 migrants at sea. By Ahmed Elumami. *Reuters* [Online].

22 May 2016. Available from: <http://uk.reuters.com/article/uk-europe-migrants-libya-idUKKCN0YDOVJ> Libyan coastguards intercepted about 850 migrants on Sunday off the coast near the western city of Sabratha, a spokesman said.

Europe / Mediterranean - Migration Crisis Response Situation Report | 19 May 2016.

International Organization for Migration (IOM) [Online]. 19 May 2016. Available from: <http://www.iom.int/sitreps/europe-mediterranean-migration-crisis-response-situation-report-19-may-2016>

Migrant tragedy: Anatomy of a shipwreck. By Julian Miglierini. *BBC News* [Online]. 24 May 2016. Available from: <http://www.bbc.co.uk/news/world-europe-36278529>

An unprecedented operation by the Italian Navy is under way off the coast of Libya to recover the wreck of a migrant boat that sank in April last year - leading to the deaths of up to 700 migrants, the largest single loss of life in the Mediterranean in decades.

EU navies to help Libya coastguard stop migrants. By Andrew Rettman. *EU Observer* [Online]. 24 May 2016. Available from: <https://euobserver.com/migration/133523>

EU navies are to start training the Libyan coastguard amid concern that the summer could see huge numbers of migrants try to cross the Mediterranean.

Italy helps rescue 2,600 migrants from sea in 24 hours. By Gavin Jones. *Reuters* [Online]. 23 May 2016. Available from: <http://www.reuters.com/article/us-europe-migrants-italy-rescue-idUSKCN0YE2KC>

Italian vessels have helped rescue more than 2,600 migrants from boats trying to reach Europe from North Africa in the last 24 hours, the coastguard said on Monday, indicating that numbers are rising as the weather warms up.

Mediterranean Migrant Arrivals in 2016: 191,134; Deaths 1,370.

International Organization for Migration (IOM) [Online]. 24 May 2016. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-2016-191134-deaths-1370>

IOM reports an estimated 191,134 migrants and refugees entered Europe by sea in 2016 through 21 May, arriving in Italy, Greece, Cyprus and Spain.

IOM, UNHCR Hold Technical Workshop on Saving Lives at Sea in Libya.

International Organization for Migration (IOM) [Online]. 25 May 2016. Available from: <https://www.iom.int/news/iom-unhcr-hold-technical-workshop-saving-lives-sea-libya>

The International Organization for Migration (IOM) and the United Nations High Commissioner for Refugees (UNHCR) this week (24-25 May) organized a technical workshop and coordination meeting for Libyan partners on saving lives of migrants at sea in Tunis.

Italian navy says migrant boat flipped, five dead. By Steve Scherer. *Reuters* [Online]. 25 May 2016. Available from: <http://www.reuters.com/article/us-europe-migrants-shipwreck-idUSKCN0YG1MV>

A large wooden fishing boat overcrowded with migrants capsized off the coast of Libya, the Italian navy said on Wednesday, with some 562 people rescued and five found dead.

Mediterranean Migrant Arrivals in 2016: 194,611; Deaths 1,475.

International Organization for Migration (IOM) [Online]. 27 May 2016. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-2016-194611-deaths-1475>

IOM reports an estimated 194,611 migrants and refugees have entered Europe by sea in 2016, arriving in Italy, Greece, Cyprus and Spain, through May 25.

Migrant crisis: UK set to send Royal Navy warship to Libya. By Jonathan Beale.

BBC News [Online]. 27 May 2016. Available from: <http://www.bbc.co.uk/news/uk-36394597>

The UK is set to send a Royal Navy warship to the Mediterranean to help tackle arms smuggling in Libya, Prime Minister David Cameron has announced.

The Andaman Sea refugee crisis a year on: is the region now better prepared?**By Sriprapha Petchamesree, Peter Hughes, Steven Wong, Travers McLeod, and****Tri Nuke Pudjiastuti.** *The Conversation* [Online]. 26 May 2016. Available from:<http://theconversation.com/the-andaman-sea-refugee-crisis-a-year-on-is-the-region-now-better-prepared-59687> The Andaman Sea crisis a year ago catalysed important policy developments on forced migration in Southeast Asia.**The Andaman Sea refugee crisis a year on: what happened and how did the region****respond? By Travers McLeod, Peter Hughes, Sriprapha Petchamesree, Steven Wong, and Tri Nuke Pudjiastuti.** *The Conversation* [Online]. 25 May 2016. Available from:<http://theconversation.com/the-andaman-sea-refugee-crisis-a-year-on-what-happened-and-how-did-the-region-respond-59686> Twelve months ago, events in the Andaman Sea exposed the grave reality of forced displacement in Southeast Asia.**Norwegian ship rescues over 1,000 refugees.** *The Local (Norway)* [Online]. 25 May 2016.Available from: <http://www.thelocal.no/20160525/norwegian-ship-rescues-over-1000-refugees>✳ The Norwegian rescue vessel *Siem Pilot* on Wednesday came to the aid of more than 1,000 people off the coast of Libya.

NAVIGATION AND COMMUNICATIONS

Galileo recommended as part of WWRS. *Marine Electronics and Communications* [Online].10 May 2016. Available from: http://www.marinemec.com/news/view.galileo-recommended-as-part-of-wwrs_42901.htm The Europe-funded Galileo global navigation satellite system is on track to be accepted as a future component of the World-Wide Radionavigation System (WWRNS).**Satellite firm to track suspected IUU activity for Indonesia. By Jason Smith.***Undercurrent News* [Online]. 9 May 2016. Available from:<https://www.undercurrentnews.com/2016/05/09/satellite-firm-to-track-suspected-iuu-activity-for-indonesia/> A San Francisco-based company that launches wine bottle-sized satellites has reached an agreement with the Indonesian government to provide data aimed at combatting illegal fishing.**E-navigation in shipping: harmonising future development. By Gary Peters.***Ship-Technology.Com* [Online]. 17 May 2016. Available from: [http://www.ship-](http://www.ship-technology.com/features/featuree-navigation-in-shipping-harmonising-future-development-4859965/)[technology.com/features/featuree-navigation-in-shipping-harmonising-future-development-4859965/](http://www.ship-technology.com/features/featuree-navigation-in-shipping-harmonising-future-development-4859965/) It was back in 2006 when the International Maritime Organization's (IMO) Maritime Safety Committee (MSC) decided to include a high priority item on what they termed the "development of an e-navigation strategy".**China to launch 30 Beidou navigation satellites in next 5 years.** *China Daily.Com* [Online].19 May 2016. Available from: [http://europe.chinadaily.com.cn/china/2016-](http://europe.chinadaily.com.cn/china/2016-05/19/content_25375507.htm)[05/19/content_25375507.htm](http://europe.chinadaily.com.cn/china/2016-05/19/content_25375507.htm) The first batch of 18 satellites will be launched before 2018 to cover countries along the routes in "the Belt and Road" initiative, said Ran Chengqi, director of the China Satellite Navigation Office, during the China Satellite Navigation Conference, which opened on Wednesday.

Hyundai Heavy Industries Brings Connectivity to Ships and Logistics.

Hyundai Heavy Industries Co. Ltd. [Online]. 25 May 2016. Available from: <http://english.hhi.co.kr/news/view?idx=589¤tPage=1> The general idea of the increasingly familiar term IoT (Internet of Things) refers to the wireless network of physical things — objects, devices, buildings — consisting of installed sensors, electronics, software, and network connectivity enabling these 'things' to collect and exchange data.

PIRACY

NIMASA boss calls for inter-agency collaboration to fight piracy. *Guardian (Nigeria)*

[Online]. 29 April 2016. Available from: <http://guardian.ng/news/nimasa-boss-calls-for-inter-agency-collaboration-to-fight-piracy/> The Director-General, Nigerian Maritime Administration and Safety Agency (NIMASA), Dr Dakuku Peterside, has called for the deployment of inter-agency resources to secure Nigeria's maritime domain and check rising cases of piracy.

Cooperative mindset to address maritime piracy. By Pandu Utama Manggala.

Jakarta Post [Online]. 4 May 2016. Available from: <http://www.thejakartapost.com/news/2016/05/04/cooperative-mindset-address-maritime-piracy.html> On Sunday Abu Sayyaf militants released 10 Indonesian sailors but, at the time of writing, are still holding four others hostage.

West Africa pirates switch to kidnapping crew as oil fetches less. By Jonathan Saul.


Reuters [Online]. 3 May 2016. Available from: <http://www.reuters.com/article/us-westafrica-piracy-idUSKCN0XU1OR> Pirate gangs in West Africa are switching to kidnapping sailors and demanding ransom rather than stealing oil cargoes as low oil prices have made crude harder to sell and less profitable, shipping officials said on Tuesday.

The state of maritime piracy 2015: Assessing the economic and human cost:

Executive Summary. *Oceans Beyond Piracy / One Earth Future Foundation* [Online].

3 May 2016. Available from:

<http://oceansbeyondpiracy.org/sites/default/files/SOP2015ExecutiveSummaryA4.pdf> 

This year's report marks the sixth year that Oceans Beyond Piracy has assessed the human and economic cost of maritime piracy. [Interactive Web Site](#) [Piracy in the Gulf of Guinea: No Justice for Seafarers](#) 

Oil Tanker *Hai Soon 12* Rescued After Hijack, Suspects Arrested Off Indonesia.

Oceanus Live [Online]. 10 May 2016. Available from:

<http://www.oceanuslive.org/Main/ViewNews.aspx?uid=00001134> In the first hijack of an oil tanker in Southeast Asian waters in 2016, and since the hijack of *MT Joaquim* in Aug 2015, Cook Islands-flagged [ex-Kiribati-flagged] oil tanker, *Hai Soon 12*, was rescued by the Indonesian Navy, resulting in the arrest of nine suspected pirates.

Piracy and Nigerian waters. *This Day (Nigeria)* [Online]. 12 May 2016. Available from:

<http://www.thisdaylive.com/index.php/2016/05/12/piracy-and-nigerian-waters/>

From available data, while the incidence of sea piracy is dropping in other territorial waters, it is increasing here in Nigeria and the Gulf of Guinea.

Armed Security Team Thwarts Pirate Attack in Gulf of Aden. By Mike Schuler. *gCaptain*

[Online]. 18 May 2016. Available from: <https://gcaptain.com/armed-security-team-thwarts-pirate-attack-in-gulf-of-aden/> Another attempted boarding of a commercial ship in the Gulf of Aden shows that pirates are still active in the region, at least off the coast of Yemen.

Global anti-piracy fight needs greater imagination. By Gerry Northwood. *Lloyd's List* [Online]. 26 May 2016. Available from: <https://www.lloydslist.com/ll/sector/ship-operations/article526080.ece> Successes against Somali pirates in the Indian Ocean can be replicated further afield but the complexities of international and national law present unique challenges.

PORT STATE CONTROL

Foreign flagged ships under detention in the UK during April 2016. *UK Maritime & Coastguard Agency* [Online]. 16 May 2016. Available from: <https://www.gov.uk/government/news/foreign-flagged-ships-under-detention-in-the-uk-during-april-2016> During April, there were three new detentions of foreign flagged vessels in a UK port.

PORTS AND HARBOURS

Mombasa port lacks required marine pilots and engineers. By Mwakera Mwajefa. *Daily Nation (Kenya)* [Online]. 2 May 2016. Available from: <http://www.nation.co.ke/counties/mombasa/KPA-acute-shortage-of-marine-pilots/-/1954178/3185060/-/n22cygz/-/index.html> The Kenya Ports Authority (KPA) is facing an acute shortage of marine pilots and engineers, leading to a work overload at the country's main sea port of Mombasa.

India keen on setting up LNG terminal at Iranian port. *Economic Times (India)* [Online]. 2 May 2016. Available from: http://articles.economictimes.indiatimes.com/2016-05-02/news/72775747_1_farzad-b-iran-pakistan-india-acu-mechanism India has expressed interest in setting up an LNG terminal at Chahabar port in Iran to ship back home natural gas from Persian Gulf nation, Oil Minister Dharmendra Pradhan said today.

Transport via Northern European ports more sustainable than via Southern Europe for much of Europe. *Port of Rotterdam* [Online]. 2 May 2016. Available from: <https://www.portofrotterdam.com/en/news-and-press-releases/transport-via-northern-european-ports-more-sustainable-than-via-southern> Containers can be transported to Southern Germany, the Czech Republic or Poland cheaper as well as more sustainably via North European ports than via Southern European ports.

Upgraded Port of London Ship's Bridge Simulator to boost trade and growth. *Port of London Authority (PLA)* [Online]. 3 May 2016. Available from: <http://www.pla.co.uk/Upgraded-Port-of-London-Ship-s-Bridge-Simulator-to-boost-trade-and-growth> The Port of London Authority (PLA) has invested £250,000 upgrading its ship's bridge simulator, adding a full tug bridge simulator in a move that is set to enable a boost in port trade and helps terminals verify their expansion plans.

Port of Felixstowe u-turn on insistence on VGM, but will charge for weighing boxes. By Mike Wackett. *The Loadstar* [Online]. 6 May 2016. Available from: <http://theloadstar.co.uk/exclusive-port-of-felixstowe-u-turn-on-insistence-on-vgm-but-will-charge-for-weighing-boxes/> The UK's largest box port, Felixstowe, said yesterday it would allow containers to be delivered to its container terminals without a VGM [verified gross mass] after the new SOLAS amendment becomes law on 1 July – reversing earlier advice to the trade.

Port of Liverpool welcomes return of Maersk line after 10-year gap. By Neil Hodgson.

Liverpool Echo (UK) [Online]. 9 May 2016. Available from:

<http://www.liverpoolecho.co.uk/news/business/port-liverpool-welcomes-return-maersk-11293786>

Port of Liverpool owner Peel Ports celebrated the return of shipping line Maersk with a formal welcome reception for its feeder vessel, Antwerp.

Story of cities #40: how a village had to die so Hamburg's port could survive.

By Philip Oltermann. *The Guardian* [Online]. 11 May 2016. Available from:

<http://www.theguardian.com/cities/2016/may/11/story-cities-altenwerder-hamburg-germany-port>

One morning in the late 80s, a pick-up truck full of sinister looking men came to a halt in front of Heinz Oestmann's house in Altenwerder, a historic fishing village on the outer edges of Hamburg's port.

Kilindini Port Key Transit Point for Illegal Wildlife Trade. *Maritime Executive* [Online].

11 May 2016. Available from: <http://www.maritime-executive.com/article/kilindini-port-key-transit-point-for-illegal-wildlife-trade>

Kenya is taking a bold stand against wildlife crime through improved enforcement action, higher penalties for wildlife criminals, and last year it was the only African range State to report a significant fall in the numbers of rhinos poached.

When Will the New Panama Canal Affect East Coast Ports? By Paul Benecki.

Maritime Executive [Online]. 12 May 2016. Available from: <http://maritime-executive.com/article/when-will-the-new-panama-canal-affect-east-coast-ports>

The Panama Canal expansion is set to open soon with an inaugural ceremony set for June 26.

Small change, big impact: SOLAS container weight verification – The impact on port terminals. By Elizabeth Turnbull and Marcia Perucca. *Clyde & Co LLP* [Online].

16 May 2016. Available from: <http://www.clydeco.com/insight/updates/view/small-change-big-impact-solas-container-weight-verification-the-impact-on-p>

The International Maritime Organization (IMO) has amended the Safety of Life at Sea (SOLAS) Convention to require that a packed container's gross weight be verified before the container can be loaded on board a ship.

Panama Canal Fever Sweeps Globe Again as New Era in Trade Nears. By Alex Nussbaum and Naureen Malik. *Bloomberg* [Online]. 25 May 2016. Available from:

<http://www.bloomberg.com/news/articles/2016-05-25/panama-canal-fever-sweeps-globe-again-as-new-era-in-trade-nears>

A century after transforming global markets, the Panama Canal is about to redraw world trade once again.

Port Capacity in the Balance. *Maritime Executive* [Online]. 24 May 2016. Available from:

<http://maritime-executive.com/article/port-capacity-in-the-balance>


A new report by the Organisation for Economic Cooperation and Development predicts that trade in developing economies will grow around 1.5 times quicker than in developed economies.

RECYCLING OF SHIPS

A Closer Look at the European Owners' Visit to Alang. By Wendy Laursen.

Maritime Executive [Online]. 9 May 2016. Available from: <http://www.maritime-executive.com/editorials/a-closer-look-at-the-european-owners-visit-to-alang> At the end of April, European shipowners, government officials from France, Germany and Belgium, and the European Commission visited shipbreaking yards in Alang, India.

First vessels to be recycled in Alang, India, under new Maersk Group recycling initiative.

Maersk [Online]. 13 May 2016. Available from: <http://goo.gl/3r8pec> The *Maersk Wyoming* and the *Maersk Georgia*, two Maersk Line container vessels, are expected in Alang late May 2016. [Maersk Sustainability Report](#) 

UN Special Rapporteur concerned about German shipbreaking practices.

NGO Shipbreaking Platform [Online]. 26 May 2016. Available from: <http://www.shipbreakingplatform.org/platform-news-un-special-rapporteur-concerned-about-german-shipbreaking-practices/> In a written submission to the German Government, UN Special Rapporteur Baskut Tuncak has expressed serious concerns related to the substandard shipbreaking practices of German ship owners, in particular fatalities and toxic chemical exposure of workers and the local population.

REGULATIONS

Additional information on Coast Guard determinations about container weight requirements, verified gross mass. By Katie Braynard. *US Coast Guard Maritime Commons*

[Online]. 28 April 2016. Available from: <http://mariners.coastguard.dodlive.mil/2016/04/28/coast-guard-information-container-weight-requirements-verified-gross-mass/> Today, the Coast Guard filed an equivalency with the International Maritime Organization, and released marine safety information bulletin 009/16 that provides additional information on the Coast Guard's determinations about container weight requirements found in the International Convention for the Safety of Life at Sea, SOLAS.

New global mandatory requirements for ships to mitigate climate change. *Malta Today*

[Online]. 2 May 2016. Available from: http://www.maltatoday.com.mt/news/national/64727/new_global_mandatory_requirements_for_ships_to_mitigate_climate_change#.VzHWy_krKCh Transport Malta reaffirmed its firm commitment to continue working together with its international and European partners, through the IMO, to further enhance the energy efficiency of the international shipping sector through a harmonized global regime.

US to recognise different ways to submit cargo and container weight. By Nora Zhou.

Lloyd's List [Online]. 2 May 2016. Available from: <https://www.lloydslist.com/ll/sector/article523762.ece> US Coast Guard has formally notified the International Maritime Organisation that the US will consider a number of methods to submit combined cargo and container weight.

What a performance! By Paul Gunton. *Ballast Water Treatment Technology* [Online]. 3 May 2016. Available from: http://www.ballastwatermanagement.co.uk/news/view,what-a-performance_42791.htm In no particular order, we have seen premature excitement over two flag states that some thought had ratified IMO's Ballast Water Management Convention (BWMC); the first ever reduction in the percentage of the world fleet registered with flag states that have ratified the convention; a leading ship manager castigating suppliers over unreliable systems and poor service; a USCG Rear Admiral making remarks that give hope to UV system makers, and I have published the 2016 edition of our annual Ballast Water Treatment Guide.

Concerns Over Distillate Shortage to Meet Global 0.50% Sulfur Cap Could be Misguided: Tolson. *Ship & Bunker* [Online]. 10 May 2016. Available from: <http://shipandbunker.com/news/world/430417-concerns-over-distillate-shortage-to-meet-global-050-sulfur-cap-could-be-misguided-tolson> Adrian Tolson, Senior Partner, 20|20 Marine Energy, today said concerns over a shortage of distillates to meet compliance requirements for the upcoming 0.50 percent global sulphur cap in 2020 or 2025, could be misguided.

Phase in global sulphur cap, study urges. *The Motorship* [Online]. 12 May 2016. Available from: <http://www.motorship.com/news101/industry-news/phase-in-global-sulphur-cap.-study-urges> The IMO should consider phasing in the global 0.5% fuel sulphur cap set to be introduced in either 2020 or 2025, the consultant behind a major study – supplementary to the IMO's own marine fuel availability study – has proposed.

Weighing containers before loading on ships: Indian exporters seek exemption. **By P. Manoj.** *Livemint (India)* [Online]. 13 May 2016. Available from: <http://www.livemint.com/Politics/6mGuU3cYudvvX7uiuVxrJO/Weighing-containers-before-loading-on-ships-Indian-exporter.html> India's beleaguered exporters, reeling under a prolonged global downturn, are seeking exemption from a new global regulation that makes it mandatory for shippers to verify the gross mass of a container before they are loaded onto ships just days before it takes effect.

Jamaican Terminals Seek Solutions For Shippers To Meet SOLAS Container Weight Regulations. *The Gleaner (Jamaica)* [Online]. 17 May 2016. Available from: <http://jamaica-gleaner.com/article/shipping/20160517/jamaican-terminals-seek-solutions-shippers-meet-solas-container-weight> Jamaica's two major cargo ports this week said they are looking at ways to assist local exporters and other supply chain stakeholders to comply with the pending amendment to the International Maritime Organisation Save Our Life at Sea (SOLAS) convention.

More VGM procedures, rule clarifications trickling out for shippers with implementation deadline now just 46 days away. *Midwest Shippers Association* [Online]. 16 May 2016. Available from: http://www.midwestshippers.com/news_detail.php?article=2554 More news continues to come out daily concerning the contentious global shipping mandate for Verified Gross Management (VGM) weight measurements to required for all ocean-going shipping containers before they are loaded onto container ships. The new law is to go into effect July 1 worldwide, only 46 days away.

Efficiency and compliance in focus in Hamburg. *The Motorship* [Online]. 17 May 2016. Available from: <http://www.motorship.com/news101/industry-news/efficiency-and-compliance-in-focus-in-hamburg> The Motorship Propulsion & Emissions Conference concluded last week with a strong second day highlighting several technical challenges caused by shipping's evolving regulatory framework.

Ballast water treatment, uncertainty and what to learn from it all. *US Coast Guard Maritime Commons* [Online]. 17 May 2016. Available from:

<http://mariners.coastguard.dodlive.mil/2016/05/17/5162016-ballast-water-treatment-uncertainty-and-what-to-learn-from-it-all/>

It's no secret; there is a great deal of angst over the International Maritime Organization (IMO) Ballast Water Management (BWM) Convention, the U.S. BWM regulations, and ballast water management system (BWMS) type approval processes.

AgTC resumes calls for 'rational' method of container weighing. *By James Baker.*

Lloyd's List [Online]. 17 May 2016. Available from:

<https://www.lloydslist.com/ll/sector/containers/article525441.ece>

The Agriculture Transportation Coalition has resumed its attack on the container weighing rules that come into force in six weeks' time, claiming the US Coast Guard's declaration of equivalency allows for AgTC's 'rational' method of container weighing to be adopted.

'Plan for chaos', with US shippers unprepared for verified gross mass regulations.

By Gavin van Marle. The Loadstar [Online]. 18 May 2016. Available from:

<http://theloadstar.co.uk/plan-chaos-us-shippers-unprepared-verified-gross-mass-regulations/>

With just 43 days until the new SOLAS amendment requires export shippers to submit the verified gross mass (VGM) of their containers to shipping line and export terminals, new research has found that an overwhelming proportion of North American exporters still don't understand how to comply.

Drewry: Clarity Issues Could Delay Container Weighing. *World Maritime News* [Online].

23 May 2016. Available from: <http://worldmaritimeneeds.com/archives/192514/drewry-clarity-issues-could-delay-container-weighing/>

A survey conducted by the consultancy found that confusion reigns over new container weighing rule with most stakeholders expecting some delays after its implementation, as "there is still much confusion over how shippers and forwarders will be able to comply," Drewry said.

Cebu shipping stakeholders produce draft policy on SOLAS VGM ruling. *Manila Bulletin*

[Online]. 20 May 2016. Available from: <http://www.mb.com.ph/cebu-shipping-stakeholders-produce-draft-policy-on-solas-vgm-ruling/>

Oriental Port and Allied Services Corporation (OPASCOR) and the Association of International Shipping Lines Cebu Chapter have submitted the draft policy to CPA and other Cebu port stakeholders for review, according to Atty.

NIMASA and the Regulation of the Maritime Industry in Nigeria. *By May Agbamuche-Mbu.*

This Day (Nigeria) [Online]. 24 May 2016. Available from:

<http://www.thisdaylive.com/index.php/2016/05/24/nimasa-and-the-regulation-of-the-maritime-industry-in-nigeria/>

The news that a National Shipping Line is being planned has been received with mixed reactions.

IUMI welcomes new container weighing directive but.... *All About Shipping* [Online].

23 May 2016. Available from: <http://www.allaboutshipping.co.uk/2016/05/23/iumi-welcomes-new-container-weighing-directive-but/>

The International Union of Marine Insurance (IUMI) strongly supports the new mandatory requirement and adoption of the amendment to SOLAS regulation V1/2 for the verification of the gross mass of packed containers (resolution MSC.380(94)), which comes into force on 1 July 2016.

Commentary: It's time to pull together on VGM. *By Eric Kulisch. American Shipper*

[Online]. 26 May 2016. Available from: <http://www.americanshipper.com/main/news/4b17b036-3e47-40aa-9ff2-e0f450904c13.aspx>

The AgTC has been the most aggressive opponent in the United States of the International Maritime Organization's update to its Safety of Life at Sea (SOLAS) convention.

Comment: Bewitched, bothered and bewildered as VGM weighs on our minds.

By Gavin van Marle. *The Loadstar* [Online]. 26 May 2016. Available from:

<http://theloadstar.co.uk/comment-bewitched-bothered-bewildered-vgm-weighs-minds/>

The verified gross mass (VGM) gremlins have been at it again: confusing and obfuscating shippers and their forwarders as they prepare for the SOLAS amendment to come into force on 1 July.

SEAFARERS

ITF announces MLC implementation and enforcement study. *International Transport Workers' Federation* [Online]. 25 April 2016. Available from: <http://www.itfglobal.org/en/news-events/press-releases/2016/april/itf-announces-mlc-implementation-and-enforcement-study/>

The ITF (International Transport Workers Federation) has commissioned an in depth study into the implementation and enforcement of the ILO Maritime Labour Convention 2006 (MLC), which came into force in August 2013.

Filipino seafarers top choice. **By William B. Depasupil.** *Manila Times* [Online]. 30 April 2016. Available from: <http://www.manilatimes.net/filipino-seafarers-top-choice/259323/>


The country remains to be the world's top source of seafarers, with around 229,000 Filipinos on board merchant shipping vessels around the world at any given time.

El Faro Memorial Dedicated in Piney Point. *Seafarers International Union* [Online]. 5 May 2016. Available from:

<http://www.seafarers.org/news/2016/Q2/ElFaroMemorialDedicatedInPineyPoint.htm>

Seafarers and guests gathered at the union-affiliated Paul Hall Center for Maritime Training and Education to solemnly dedicate parts of the school's waterfront park in memory of those who perished aboard the *El Faro*.

Colombian Mariner stranded at sea, now safely in Honolulu following Coast Guard medevac. *US Coast Guard* [Online]. 5 May 2016. Available from:

<https://www.youtube.com/watch?v=cZjSCoqyLBY&feature=youtu.be>  A 29-year-old man arrived in good condition to Honolulu May 4, 2016, aboard a Coast Guard small boat after being rescued by merchant mariners in the Southeastern Pacific Ocean and surviving a two-month ordeal at sea.

Bulk Carrier Crew "Trapped" in Fallout from Bunker Dispute. *Ship & Bunker* [Online].

9 May 2016. Available from: <http://shipandbunker.com/news/emea/807219-bulk-carrier-crew-trapped-in-fallout-from-bunker-dispute> The crew of a 1999-built bulk carrier have been "trapped" onboard for around a month due to an ongoing dispute over an unpaid bunker bill, local media reports.

Sailor's Society chaplains counsel seafarers kidnapped by Abu Sayyaf.

By Charlie Bartlett. *Seatrade Maritime News* [Online]. 10 May 2016. Available from:

<http://www.seatrade-maritime.com/news/asia/sailors-society-chaplains-counsel-seafarers-kidnapped-by-abu-sayyaf.html>

Sailor's Society chaplains have been providing emotional support to 10 seafarers kidnapped and held by Abu Sayyaf terrorists for five weeks

No ransom paid for freedom of 4 Indonesian sailors. *Manila Times* [Online]. 11 May 2016.

Available from: <http://www.manilatimes.net/sayyaf-frees-4-indonesian-sailors/261403/>

Abu Sayyaf jihadists freed Wednesday four Indonesian sailors after a series of negotiations made by the former rebel group Moro National Liberation Front (MNLF) in this southern Philippine province.

Overfishing and Commonplace Violence in Thailand. The HRAS Interview: Steve Trent, Co-founder of the Environmental Justice Foundation (EJF). *Human Rights at Sea (HRAS)* [Online]. 11 May 2016. Available from: <https://thehrasinterview.wordpress.com/2016/05/11/the-hras-interview-steve-trent-co-founder-of-the-environmental-justice-foundation-ejf/>

"In all my experience, over two decades, I cannot think of situations that I've seen where extreme violence has been as commonplace as it is in Thailand," says Steve Trent, co-founder of the Environmental Justice Foundation (EJF), talking about Thailand's seafood industry.

AoS assists detained ship crew. *Apostleship of the Sea (AoS)* [Online]. 11 May 2016.

Available from: <http://www.apostleshipofthesea.org.uk/aos-assists-detained-ship-crew>

Seafarers' charity Apostleship of the Sea (AoS) has stepped in to support crew of a container ship currently detained at Chatham in Kent.

Marine engineer rescued from Nigerian pirates, comes back home. By Binay Singh.

Times of India [Online]. 12 May 2016. Available from:

<http://timesofindia.indiatimes.com/city/varanasi/Marine-engineer-rescued-from-Nigerian-pirates-comes-back-home/articleshow/52238557.cms>

It was the happiest moment for Santosh Bharadwaj, a marine engineer in captivity of Nigerian pirates for one-and-a-half months, when he returned home and met family members on Wednesday night.


Seafarers 'devastated' by influx of foreign workers in maritime industry.

By Damian McIver. *ABC (Australia)* [Online]. 14 May 2016. Available from:

<http://www.abc.net.au/news/2016-05-15/seafarers-devastated-by-influx-of-foreigner-workers/7414570>

Australian seafarers are warning that the local industry is at risk of going under unless the influx of foreign workers is halted.

BIMCO/ICS Manpower Report predicts potential shortage of almost 150,000 officers by 2025. *Baltic and International Maritime Council (BIMCO) / International Chamber of Shipping (ICS)* [Online]. 17 May 2016. Available from:

https://www.bimco.org/News/2016/05/17_BIMCO_Manpower_Report.aspx The report suggests that in the past five years the industry has made good progress with increasing recruitment and training levels and reducing officer wastage (i.e. retaining qualified seafarers and increasing the number of years which they serve at sea). [Manpower Report 2015: Executive Summary](#) 

South Africa's First Black Female Captains. *Maritime Executive* [Online]. 17 May 2016.

Available from: <http://www.maritime-executive.com/article/south-africas-first-black-female-captains>

South Africa's drive to develop its maritime industry has led to the successful qualification of the country's first three black women as commercial cargo vessel captains: Tshepo Motloutsi, Thembela Taboshe and Pretty Molefe.

Crewing crisis? What crisis? By Julian Bray. *TradeWinds* [Online]. 19 May 2016.

Available from: <http://www.tradewindsnews.com/weekly/753783/crewing-crisis-what-crisis>

Benchmark manpower report by Bimco and ICS uncovers strain in some sectors but also reveals the ability of industry to train and retain.

ROK gov't releases 2 PH seamen involved in ship collision case. *Manila Bulletin* [Online].

19 May 2016. Available from: <http://www.mb.com.ph/rok-govt-releases-2-ph-seamen-involved-in-ship-collision-case/>

Maritime Industry Authority (Marina Administrator Dr. Maximo Q. Meia, Jr. confirmed yesterday the two Filipino seafarers who were detained in the Republic of Korea (ROK) for almost a year, have returned home and currently in the company of their families.

International Shipping Crisis – What about the Professional Mariner?

By George Livingstone. *gCaptain* [Online]. 20 May 2016. Available from:

<http://gcaptain.com/international-shipping-crisis-professional-mariner/> One would have to have lived under a rock to have not noted the severe crisis international shipping has faced, across most segments, for several years.

Consider seafarers during the refugee migration, says The Mission to Seafarers.

Mission to Seafarers [Online]. 23 May 2016. Available from: <http://goo.gl/eSGnFS>

Building on its position as the nominated charity for next month's Posidonia shipping exhibition, The Mission to Seafarers will shine a spotlight on refugee migration by sea and its effect on vessel crewmembers at the show by hosting a seminar on this worrying issue.

New welfare service for seafarers opens in Calais! *International Seafarers' Welfare and Assistance Network (ISWAN)* [Online]. 25 May 2016. Available from:

<http://seafarerswelfare.org/news-and-media/latest-news/new-welfare-services-for-seafarers-opens-in-calais> The reduction in merchant shipping through the port of Calais meant that a full time, permanent club house was no longer viable.

SEARCH AND RESCUE

Mediterranean refugee rescue: 14 hours of mortal danger. *Deutsche Welle (DW)*

(Germany) [Online]. 1 May 2016. Available from: <http://www.dw.com/en/mediterranean-refugee-rescue-14-hours-of-mortal-danger/a-19228171> Naval vessels participating in the European Union's Operation Sophia saved 599 people on the Mediterranean Sea.

Greek Search and Rescue Services Boosted. *Human Rights at Sea (HRAS)* [Online].

18 May 2016. Available from: <https://humanrightsatsea-news.org/2016/05/18/greek-search-and-rescue-services-boosted/> A new lifeboat station has been opened on the Greek island of Chios – with the co-operation of International Maritime Rescue Federation (IMRF) members – to help support the rescue of migrants in the Aegean.

EgyptAir MS804: search and rescue at sea is never easy. By Ioannis Chapsos. *Phys Org*


[Online]. 23 May 2015. Available from: <http://phys.org/news/2016-05-egyptair-ms804-sea-easy.html> The disappearance of EgyptAir flight MS804, presumed lost over the eastern Mediterranean on a flight between Paris and Cairo with all 66 on board, is the latest passenger aircraft to go missing.

Build Capability in Maritime SAR Says IMRF. *International Maritime Rescue Federation*

[Online]. 24 April 2016. Available from: <http://international-maritime-rescue.org/10-news/2017-build-capability-in-maritime-sars-says-imrf> Building capability rather than reacting to tragedy should be the priority for maritime search and rescue (SAR) according to the International Maritime Rescue Federation (IMRF) in a statement delivered at the World Humanitarian Summit.

France sends underwater probes to EgyptAir search zone. By Lin Noueihed and

Tim Hopher. *Reuters* [Online]. 27 May 2016. Available from: [http://uk.reuters.com/article/uk-](http://uk.reuters.com/article/uk-egyptair-airplane-search-idUKKCN0YH0PZ)

[egyptair-airplane-search-idUKKCN0YH0PZ](http://uk.reuters.com/article/uk-egyptair-airplane-search-idUKKCN0YH0PZ)  A French naval vessel was en route to the eastern Mediterranean on Thursday to join the hunt for black boxes from a crashed EgyptAir jet, equipped with three specialist probes from a French company recruited to accelerate the search.

SHIPBUILDING AND SHIPREPAIR

New ECO Tanker "Symbolises the Emerging Direction of the U.S. Shipping Industry".

Ship & Bunker [Online]. 5 May 2016. Available from:

<http://shipandbunker.com/news/world/970467-new-eco-tanker-symbolises-the-emerging-direction-of-the-us-shipping-industry>

General Dynamics NASSCO says its 50,000 DWT newbuild liquefied natural gas (LNG) conversion-ready product tanker, "symbolises the emerging direction of the U.S. shipping industry toward cleaner, more fuel-efficient modes of transporting product between American ports."

Russian navy to build ice-breaking patrol vessels. By Thomas Nilsen.

Independent Barents Observer (Norway) [Online]. 6 May 2016. Available from:

<http://thebarentsobserver.com/security/2016/05/russian-navy-build-ice-breaking-patrol-vessels>

The Ministry of Defense says the vessels are part of the State Arms Program, a comprehensive modernisation program including new vessels for the navy to operate in Arctic waters.

Scanty Ordering Bodes Well for Tanker Shipping. Drewry Shipping Consultants [Online].

9 May 2016. Available from: <http://www.drewry.co.uk/news.php?id=477> Newbuilding orders of tanker ships have seen a sharp reduction, but the slowing trend needs to be sustained for the longer-term health of the market, according to the latest edition of the Tanker Forecaster, published by global shipping consultancy Drewry.

Cammell Laird appoints Rolls-Royce to design and equip research vessel RRS

Sir David Attenborough. *Rolls-Royce* [Online]. 9 May 2016. Available from: <http://www.rolls-royce.com/media/press-releases/yr-2016/pr-09-05-2016.aspx>

One of the most famous names in the British maritime engineering industry, Cammell Laird, has selected a Rolls-Royce design for the UK's future polar research ship, which, when built, will be one of the most advanced scientific maritime vessels ever constructed.

Far and away: the new polar cruisers. *The Motorship* [Online]. 9 May 2016. Available from:

<http://www.motorship.com/news101/ships-and-shipyards/far-and-away-the-new-polar-cruisers>

There are not one but two vessels racing to be the first true 'polar' cruise ship, *Crystal's Endeavor* and *Scenic's Eclipse*, both presently under build and looking for a 2018 launch.

SHIPPING

Nigerian Immigration Commends Ladol Free Zone for Local Content.

By Nosa Alekhuogie. *This Day (Nigeria)* [Online]. 29 April 2016. Available from:

<http://www.thisdaylive.com/index.php/2016/04/29/nigerian-immigration-commends-ladol-free-zone-for-local-content/>

The Nigerian Immigration Service (NIS) has applauded the expatriate ratio being adopted by the Ladol Free Zone (LFZ), saying the offshore logistics service company is a model for sustainable development in Nigeria.

Regional Shipping Conference Spotlights Trade Opportunities With Cuba. *The Gleaner*

(Jamaica) [Online]. 3 May 2016. Available from: [http://jamaica-](http://jamaica-gleaner.com/article/shipping/20160503/regional-shipping-conference-spotlights-trade-opportunities-cuba)

[gleaner.com/article/shipping/20160503/regional-shipping-conference-spotlights-trade-opportunities-cuba](http://jamaica-gleaner.com/article/shipping/20160503/regional-shipping-conference-spotlights-trade-opportunities-cuba)


Hundreds of delegates representing stakeholders in the Caribbean and Latin America shipping and logistics sector will gather in Cocoa Beach, Florida, in a few weeks with emerging maritime opportunities in Cuba at the forefront of their minds.

Shipping's response to Paris climate deal left in disarray. *Transport & Environment* [Online]. 3 May 2016. Available from: <https://www.transportenvironment.org/news/shipping%E2%80%99s-response-paris-climate-deal-left-disarray> Governments last month failed even to agree on developing a work plan to determine shipping's 'fair share' contribution to meeting the goals of the Paris deal.

UN to Inspect Yemen-Bound Commercial Shipments. *World Maritime News* [Online]. 4 May 2016. Available from: <http://worldmaritimeweb.com/archives/190730/un-to-inspect-yemen-bound-commercial-shipments/> The United Nations Security Council has launched an inspection mechanism of commercial shipments to Yemen based in Djibouti, following a request by the Government of Yemen.

Statement attributable to the Spokesman for the Secretary-General on Yemen. *United Nations* [Online]. 3 May 2016. Available from: <http://www.un.org/sg/statements/index.asp?nid=9675> The Secretary-General welcomes the official launch on 2 May of the operations of the United Nations Verification and Inspection Mechanism (UNVIM) based in Djibouti, following a request by the Government of Yemen.

Chemical tanker trends 2016. By Hal Brown. *Lloyd's List* [Online]. 4 May 2016. Available from: <https://www.lloydslist.com/ll/sector/tankers/article522087.ece> Having enjoyed a gradual recovery in 2015, the chemical tanker market might be facing more threats than opportunities in the longer term.

Pressure builds on shipping industry to set carbon targets. By Jonathan Saul and Nina Chestney. *Reuters* [Online]. 6 May 2016. Available from: <http://www.reuters.com/article/us-carbon-shipping-idUSKCN0XW141>  Disagreement among nations means no carbon emissions targets have been set for international shipping, but voices from within the industry are calling for global curbs to be set soon, before countries or regional blocs take matters into their own hands.



Call to make Italian flag more competitive. By Nicola Capuzzo. *Splash 24/7* [Online]. 5 May 2016. Available from: <http://splash247.com/call-to-make-italian-flag-more-competitive-2/> Italy can boast the second largest registry in the European Union.

Top industry personalities amongst winners at annual Seatrade Awards ceremony. *Seatrade Maritime News* [Online]. 7 May 2016. Available from: <http://goo.gl/zHRCRJ> Eminent figures from across the shipping industry gathered in London's Guildhall last night to honour the achievements of the past year and the distinguished careers of winners at the 28th Seatrade Awards.

Various stakeholders unite, form new maritime group. By Leo J Santiago. *Manila Times* [Online]. 7 May 2016. Available from: <http://www.manilatimes.net/various-stakeholders-unite-form-new-maritime-group/260709/> Maritime stakeholders have agreed to consolidate major maritime sectors in the country to instill maritime consciousness among Filipinos as new national and local leaders are to be installed.

Shipping sector emissions: alternative fuels for marine and inland waterways transport. *European Commission* [Online]. 5 May 2016. Available from: <https://ec.europa.eu/jrc/en/news/shipping-sector-emissions-alternative-fuels-marine-and-inland-waterways-transport> A recent JRC report finds that fuels like liquefied natural gas (LNG) and methanol are the most promising alternatives to drive decarbonisation of the shipping sector and ultimately contribute to the fight against climate change. [Alternative Fuels for Marine and Inland Waterways: An exploratory study](#)

Danish shipowners showcase environmental and climate initiatives. *Danmarks Rederiforening (Danish Shipowners' Association)* [Online]. 10 May 2016. Available from: <https://www.shipowners.dk/en/presse/nyheder/danish-shipowners-showcase-environmental-and-climate-initiatives/> Get an insight into what Danish shipowners do to minimize their climate and environmental footprint.

Arctic: a Ten-Year Prioritization of Infrastructure Needs in the U.S. Arctic. *US Committee on the Marine Transportation System (CMTS)* [Online]. 9 May 2016. Available from: <http://www.cmts.gov/Bulletin.aspx?id=115> It identifies critical requirements for a safe and secure U.S. Arctic Marine Transportation System (MTS) to be implemented over the next decade. [Executive Summary](#)  [Full Report](#) 

Wärtsilä to participate in LNG powered dry bulk carrier project. *Wärtsilä Corporation* [Online]. 10 May 2016. Available from: <http://www.wartsila.com/media/news/10-05-2016-wartsila-to-participate-in-lng-powered-dry-bulk-carrier-project> It began officially in May 2015 with the aim of developing a commercially feasible LNG powered dry bulk carrier design capable of complying with the International Maritime Organization's (IMO) Energy Efficiency Design Index 2025 standards, as well as with all relevant emission reduction regulations.

UK embarks on ambitious plan to double size of ship register. *By Janet Porter.* *Lloyd's List* [Online]. 11 May 2016. Available from: <https://www.lloydslist.com/ll/sector/ship-operations/article524533.ece> Partnerships with shipowners will form the cornerstone of the UK Ship Register's plan to double in size over the next four years after some recent losses amid criticism that the flag was losing direction.

US Authorities Say its Likely a New Containership Alliance Will be Announced by the End of the Week. *Ship & Bunker* [Online]. 11 May 2016. Available from: <http://shipandbunker.com/news/world/952769-us-authorities-say-its-likely-a-new-containership-alliance-will-be-announced-by-the-end-of-the-week> William Doyle, a commissioner with the Federal Maritime Commission (FMC), says representatives of the major container carriers are looking for new partners following the recently announced Ocean Alliance and were set to meet with the U.S. FMC to discuss the proposal of a possible new alliance.

AkzoNobel makes first award of carbon credits to Greek ship owner Neda Maritime. *AzkoNobel* [Online]. 11 May 2016. Available from: https://www.akzonobel.com/news_center/news/news_and_press_releases/2016/akzonobel-makes-first-award-of-carbon-credits-to-greek-ship-owner-neda-maritime.aspx A total of 13,735 carbon credits, worth around \$60,000, have been presented to Neda Maritime via the award-winning program. Launched in 2014, it rewards ship owners for converting to sustainable hull coatings that improve operational efficiencies and reduce emissions.

Hanjin, Hapag-Lloyd, "K"Line, Mitsui O.S.K. Lines, Nippon Yusen Kaisha and Yang Ming to create a new partnership "THE Alliance". *Hapag-Lloyd* [Online]. 13 May 2016. Available from: https://www.hapag-lloyd.com/en/press_and_media/press_release_page_48455.html A binding agreement has been concluded by all partners and "THE Alliance" is scheduled to begin operation in April 2017 subject to approval of all relevant regulatory authorities.

The Maritime Cluster concept is blooming across Europe, leading to the reinforcement of the ENMC. *European Network of Maritime Clusters (ENMC)* [Online]. 12 May 2016. Available from: <http://enmc.eu/news/second-high-level-meeting-with-eu-commissioner-vella> Given the success of the first meeting he had in 2015 with the chairmen of the national maritime clusters forming the ENMC, Commissioner Vella expressed the wish to reiterate this high-level forum every year.

Big ship craze spreads to UK shortsea shipping, but will VGM rule drive cargo to the roads? By Gavin van Marle. *The Loadstar* [Online]. 12 May 2016. Available from: <http://theloadstar.co.uk/big-ship-craze-spreads-uk-shortsea-shipping-will-vgm-rule-drive-cargo-roads/> The big ship craze appears to have spread to the shortsea shipping industry serving the UK, after investment in the sector was frozen during the past few years.

Containership fleet on the brink to break through the 20 million TEU barrier. *Baltic and International Maritime Council (BIMCO)* [Online]. 13 May 2016. Available from: https://www.bimco.org/Reports/Market_Analysis/2016/0513_Container20mTEU.aspx 2016 will see the lowest fleet growth rate on record (3.4% expected), but with an estimated net addition of 0.68 million TEU of capacity for the full year, the milestone could be reached in June.

Republic of the Marshall Islands Continues Strong Growth. *International Registries, Inc* [Online]. 16 May 2016. Available from: <https://goo.gl/LlJbu3> International Registries, Inc. and its affiliates (IRI) provide administrative and technical support to the Republic of the Marshall Islands (RMI) Maritime and Corporate Registries.

Syria Sanctions. *Swedish Club* [Online]. 13 May 2016. Available from: <http://www.swedishclub.com/main.php?mcid=1&mid=109&pid=19&newsid=1692> Both the European Union and the United States continue to apply trade sanctions against the Government of Syria and a number of designated Syrian persons and entities.


Container shipping firms' costs soar on new fuel rules: OECD. By Ole Mikkelsen. *Reuters* [Online]. 19 May 2016. Available from: <http://uk.reuters.com/article/us-shipping-emissions-oecd-idUKKCN0YA0VH> Container shipping firms' annual costs have risen by a total \$500 million due to new sulfur emissions regulations that have forced vessels to use higher cost fuel, the OECD said in a report on Thursday.

Norway Offers Barents Sea Licenses. *Maritime Executive* [Online]. 18 May 2016. Available from: <http://www.maritime-executive.com/article/norway-offers-barents-sea-licenses> The Norwegian Ministry of Petroleum and Energy has offered new production licences in its 23rd licensing round for the Norwegian continental shelf (NCS).

Thirteen companies are offered ten production licences in the 23rd licensing round. *Norwegian Petroleum Directorate* [Online]. 18 May 2016. Available from: <http://www.npd.no/en/news/News/2016/Thirteen-companies-are-offered-ten-production-licences-in-the-23rd-licensing-round/> The Ministry of Petroleum and Energy (MPE) has today issued an offer of new production licences in the 23rd licensing round on the Norwegian continental shelf.

Why the Marshall Islands' fleet exposes climate policy risks. By Ed King. *Climate Home* [Online]. 20 May 2016. Available from: <http://www.climatechangenews.com/2016/05/20/why-the-marshall-islands-fleet-exposes-hidden-climate-policy-risks/> When BP's *Deepwater Horizon* rig exploded in the Gulf of Mexico on 20 April 2010, few noticed the burning hulk was registered in the Marshall Islands.

IMO Bullish on Indonesia's Maritime Targets, Urges Regional Cooperation. *Jakarta Globe* [Online]. 19 May 2016. Available from: <http://jakartaglobe.beritasatu.com/business/the-international-maritime-organization-bullish-on-indonesias-maritime-target-urges-more-regional-cooperation/> The International Maritime Organization believes Indonesia is on the right track to become a key player in the international maritime industry during President Joko "Jokowi" Widodo's tenure, its chief said on Wednesday (19/05).

ICS Publishes Annual Review. *International Chamber of Shipping (ICS)* [Online]. 23 May 2016. Available from: <http://www.ics-shipping.org/news/press-releases/2016/05/23/ics-publishes-annual-review> The ICS Annual Review is intended as a comprehensive overview of all the major issues faced by the global shipping industry, and in which ICS is engaged on behalf of its member national shipowners' associations. [ICS Annual Review 2016](#) 

Exporters to pay more for containers. **By Kennedy Senelwa.** *East African (Kenya)* [Online]. 21 May 2016. Available from: <http://www.theeastafrican.co.ke/business/Exporters-to-pay-more-for-containers/-/2560/3213458/-/3vniru/-/index.html> The International Maritime Organisation (IMO) is making verification of weights a condition for loading packed export containers aboard ships to conform to amended changes to Safety of Life at Sea (SOLAS) convention.

Postponing 0.50% Sulfur Cap to 2025 May be Considered Politically Unacceptable: ICS. *Ship & Bunker* [Online]. 24 May 2016. Available from: <http://shipandbunker.com/news/world/713837-postponing-050-sulfur-cap-to-2025-may-be-considered-politically-unacceptable-ics> The International Chamber of Shipping (ICS) Monday said that it may be "politically unacceptable" for the International Maritime Organization (IMO) to defer the implementation of a 0.50 percent global sulfur cap from 2020 to 2025.

Raising the flag. *Ship Management International* [Online]. 23 May 2016. Available from: <http://shipmanagementinternational.com/raising-the-flag/> Ask the head of any ship registry what issues they are currently facing and be prepared to listen to a long list of topics which are making them scratch their heads and face a constant barrage of regulation.

Growing Container Throughput in Latin America. **By Octavio Doerr, Economic Commission for Latin America and the Caribbean (ECLAC/CEPAL).** *Maritime Executive* [Online]. 23 May 2016. Available from: <http://www.maritime-executive.com/editorials/growing-container-throughput-in-latin-america> The movement of cargo in containers in Latin American and Caribbean ports grew 1.7 percent during 2015, according to figures unveiled in the Economic Commission for Latin America and the Caribbean's new edition of its ranking of container port throughput.


Singapore claims acquisition of the Baltic will boost London's maritime position. **By Sam Chambers.** *Splash 24/7* [Online]. 26 May 2016. Available from: <http://splash247.com/singapore-claims-acquisition-of-the-baltic-will-boost-londons-maritime-position/> The Singaporean takeover of the Baltic Exchange is designed to bolster London's position as an international maritime hub, a spokesperson for the Singapore Exchange has told Splash.

Shipping industry mulls billions in extra costs as sulfur cap looms. **By Ned Molloy.** *Bunkerworld* [Online]. 25 May 2016. Available from: <http://www.bunkerworld.com/news/141780?tag=1-209362-4882723-0-BW> Shipowners and bunker suppliers at the Platts European Bunker Fuel conference in Rotterdam Wednesday voiced concern at the vast scale of extra costs involved in complying with upcoming more stringent sulfur regulations, and called for more clarity on what the impact would be on prices of imported consumer goods.

European Maritime Day - taking Blue Growth to the next level. *European Commission Maritime Affairs* [Online]. 24 May 2016. Available from: http://ec.europa.eu/information_society/newsroom/cf/mare/itemlongdetail.cfm?subweb=342&lang=en&item_id=31615 Blue growth is here to stay, concluded the 1200 marine and maritime economy stakeholders who gathered in Turku, Finland, last week to celebrate the 9th edition of the European Maritime Days.

Conrad and the Mariner's Craft: Sea Stories for Real Sailors (part 1). By Colin Dewey. *gCaptain* [Online]. 23 May 2016. Available from: <https://gcaptain.com/conrad-and-the-mariners-craft-sea-stories-for-real-sailors-part-1/> The maritime industry, perhaps more than any other industrial profession, respects tradition.

IMO reaches a milestone in the Protection of Intellectual Property Rights. *SEA Europe* [Online]. 26 May 2016. Available from: <http://www.easy-content.be/Documents/Open.aspx?guid=%7b2E207851-5972-40F4-9AFC-A198B753A16A%7d>

 The International Maritime Organization (IMO) noted at the 96th session of the Maritime Safety Committee (MSC) the "Ship Construction File Industry Standard (SCF IS)" that has been developed under CESA co-ordination in a cross industry approach involving all maritime stakeholders, namely international shipbuilder organisations, shipowner organisations and classification societies.

RESEARCH

Interactions between sea-level rise and wave exposure on reef island dynamics in the Solomon Islands. By Simon Albert, Javier X Leon et al. *Environmental Research Letters*. [Online]. (2016). Available from: <http://stacks.iop.org/1748-9326/11/i=5/a=054011> Low-lying reef islands in the Solomon Islands provide a valuable window into the future impacts of global sea-level rise.

Simulated coal spill causes mortality and growth inhibition in tropical marine organisms. By K. L. E. Berry, M. O. Hoogenboom et al. *Scientific Reports*. [Online]. (2016). Available from: <http://dx.doi.org/10.1038/srep25894> Coal is a principal fossil fuel driving economic and social development, and increases in global coal shipments have paralleled expansion of the industry.

Capacity to grow: Transport Infrastructure Needs for Future Trade Growth. *International Transport Forum* [Online]. May 2016. Available from: <http://www.itf-oecd.org/sites/default/files/docs/future-growth-transport-infrastructure.pdf> This report examines the consequences of increased global trade on the world's transport infrastructure.

Reducing Sulphur Emissions from Ships: The Impact of International Regulation. *International Transport Forum* [Online]. 10 May 2016. Available from: <http://www.itf-oecd.org/sites/default/files/docs/sulphur-emissions-shipping.pdf> This study assesses the impact of international sulphur emission reduction regulations on global shipping.

Reconstructing metabolic pathways of hydrocarbon-degrading bacteria from the Deepwater Horizon oil spill. By N. Dombrowski, J. A. Donaho et al. *Nature Microbiology*. [Online]. (2016). Available from: <http://dx.doi.org/10.1038/nmicrobiol.2016.57> The *Deepwater Horizon* blowout in the Gulf of Mexico in 2010, one of the largest marine oil spills, changed bacterial communities in the water column and sediment as they responded to complex hydrocarbon mixtures.

The *Current Awareness Bulletin* (CAB) is published by the Maritime Knowledge Centre and is not an official IMO publication. Inclusion does not imply any endorsement by IMO.

Current and previous issues of CAB are archived at:
[Maritime Knowledge Centre](#)

To subscribe or unsubscribe, send an email with your contact details to:
maritimeknowledgecentre@imo.org

About the cover

The CAB Cover is a photograph of the international memorial to the world's seafarers, past, present and future which graces the entrance to IMO Headquarters in London. The memorial, a seven-metre high, ten-tonne bronze representation of the bow of a cargo ship with a lone seafarer on the deck, is the work of internationally renowned British sculptor Michael Sandle.